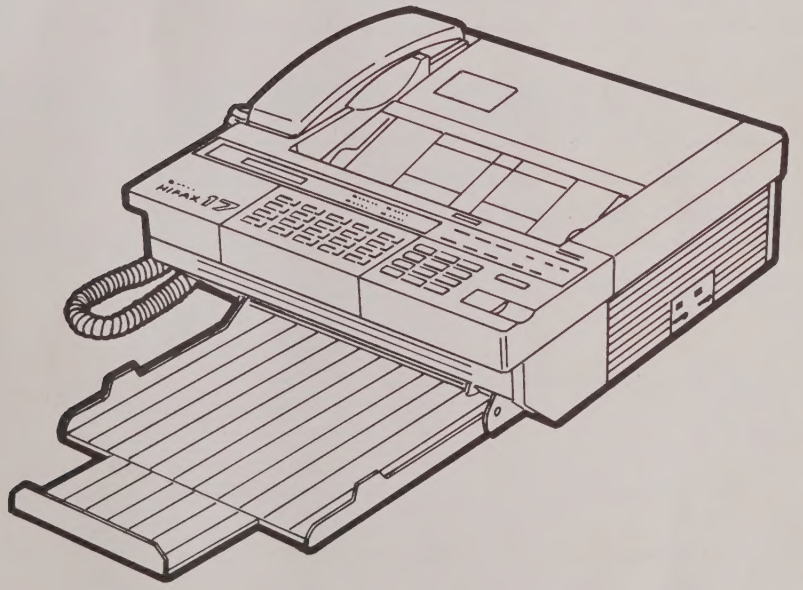
HIFAX 37/17

OPERATION MANUAL

(Type UB)



HITACHI

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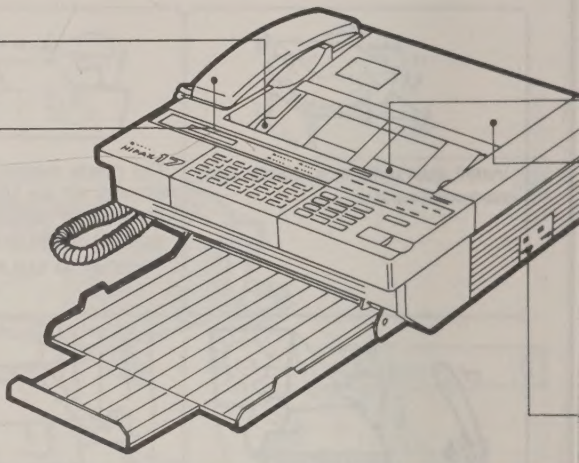
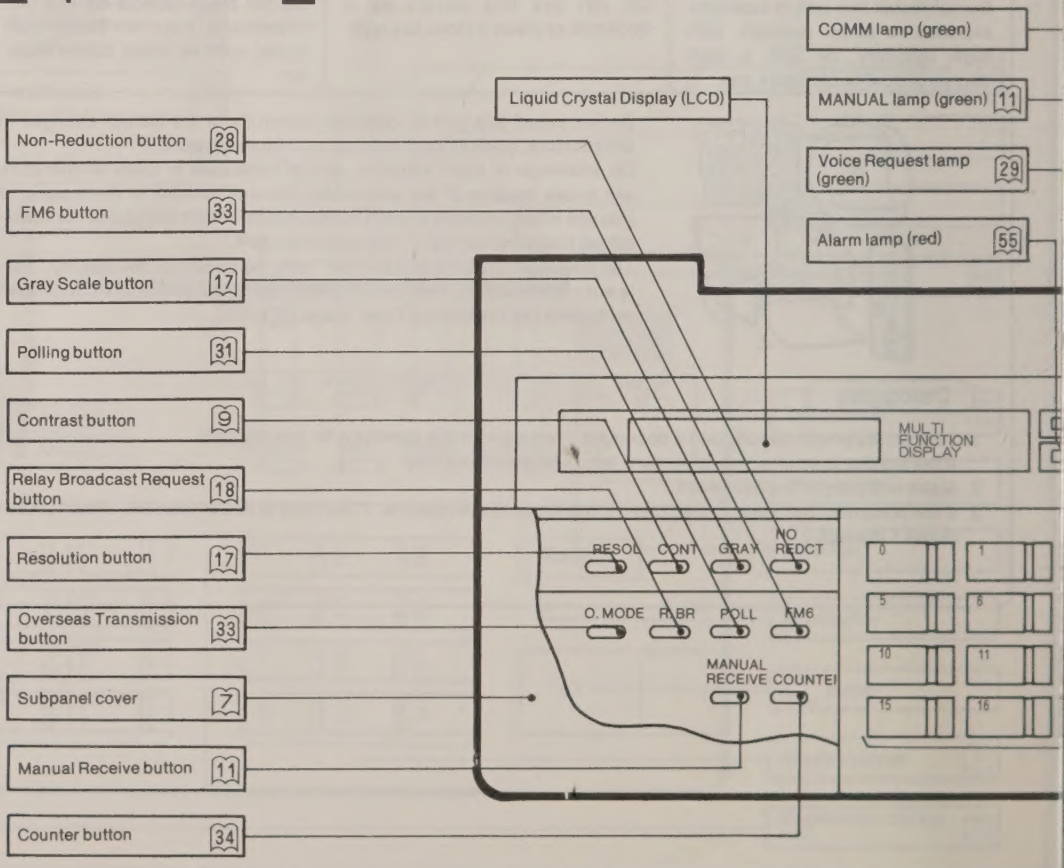
NAMES OF COMPONENTS

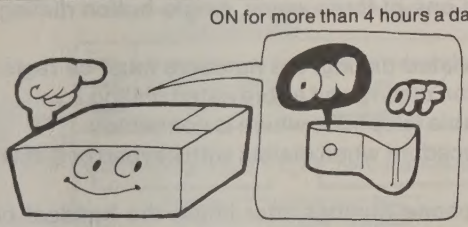
External view



Operation Panel

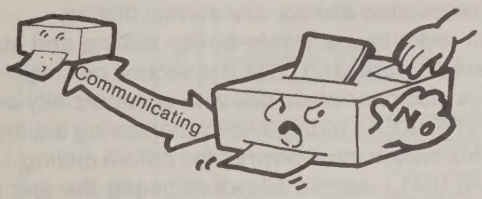


■ PRECAUTIONS FOR USE



The power switch should be turned ON for more than 4 hours a day.

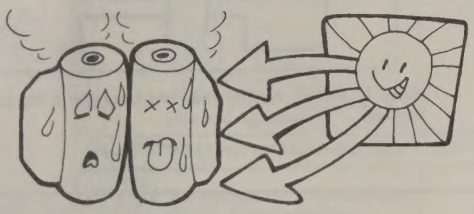
* If the power supply switch is left off the internal batteries will not recharge, resulting in the loss of all registered data.



Do not open the recording paper cover or operation panel during communications.

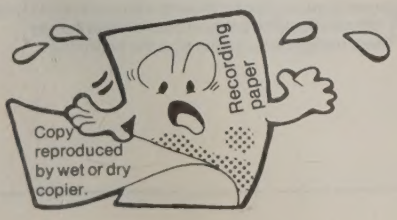
* This may cause a problem in the communications.

■ PRECAUTIONS REGARDING RECORDING PAPER

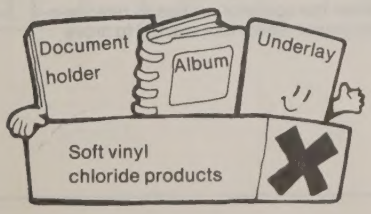


Do not leave recording paper in locations exposed to direct sunlight, or in high temperature/high humidity locations.

- Touching recording paper with wet or sweaty hands will reduce the contrast.
- If recording paper comes into contact with erasers or cellophane tape the contrast will be reduced.



The recorded image may discolor if it remains in contact with a copy which comes out of a wet or dry copier.

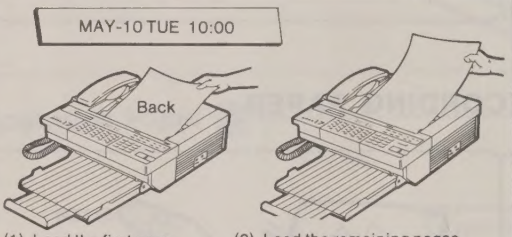


If recording paper comes into contact with document holders, albums, underlays and other soft vinyl chloride products, the contrast will be reduced.

■ Transmission

Dialing from the operation panel can be done in one of three ways: single-button dialing, abbreviated dialing, and normal dialing.
(In order to use single-button dialing and abbreviated dialing, the numbers must be registered beforehand. See the section on single-button dialing and abbreviated dialing.)
It is also possible to dial with commercially-available telephone which is connected.
[SPEAKER] button allows monitoring dialing procedure when dialing with keypad or S.B.D. This switch must be pressed before dialing.
[REDIAL] button allows redialing the lost telephone number after lifting the handset or pressing [SPEAKER] button.

1 Verify the clock display, then load the document.



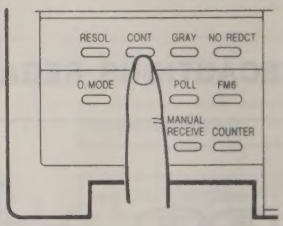
(1) Load the first page. (2) Load the remaining pages.

- Adjust the document guides to the document width.
- Insert the document until it is pulled into the unit.

2 Press the buttons below as necessary.

Button operation ⇨ CONT RESOL

- Open the subpanel cover.



- Press [O.MODE] button when line condition is too poor transmit.

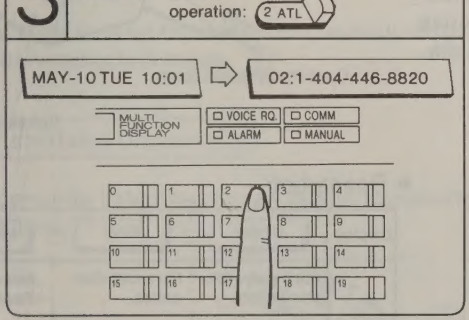
What to do when:

• The wrong number is dialed	Press [RESET] button and dial again.
• When IN REDIAL MODE is displayed	The dialed line is busy. The unit will automatically redial twice at two minute intervals*, so please wait. *This will differ according to country.
• When UNREGISTERED is displayed	This indicates that the abbreviated dial number is not registered. Register the abbreviated number or use normal dialing.
• When the operator wishes to remove a document which has started to move	Removing documents while they are moving will cause malfunctions, so that [RESET] button should be pressed before removing any documents. Then, repeat the operation from the beginning.

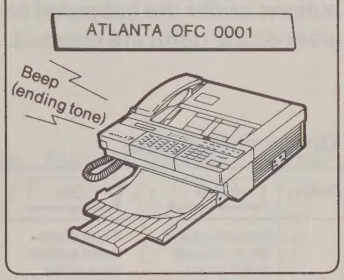
(Example: 02 ATL Registered telephone number 1-404-446-8820)

Single-button dialing

3 Press the single-button key for the party to be called. Button operation: 2 ATL



4 Transmission starts and ends automatically (The document is automatically ejected.)

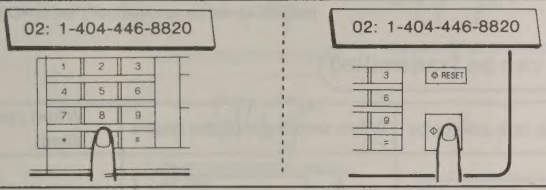


(Example: Abbreviated dialing number 02 When the registered number is 1-404-446-8820.)

Abbreviated dialing

3 1. Set the abbreviated dial number of the party to be called. Button operation: ABBR 0 2

2. Press FAX button.



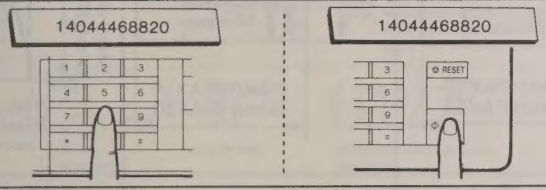
The opposite party's ID is displayed during transmission.

(Example: When the number to be called is 1-404-446-8820.)

Normal dialing

3 1. Set the number of the party to be called. Button operation: 1 4 0 4 4 4 6 8 8 2 0

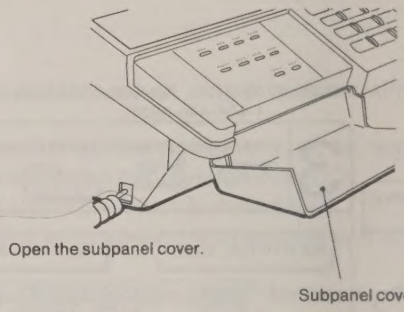
2. Press FAX button.



■ Documents

Selecting Document Contrast and Resolution

The settings (display) for document contrast and resolution will change when the respective buttons under the subpanel cover (see the diagram on the right) are pressed.



● Document Contrast

Display	NORM	LOW	HIGH
Setting	Document written in normal density on a white background, or document with a slightly dark background.	Faint document written on a white background.	Document containing small characters or very fine lines, or a fairly dark document (Newspaper).

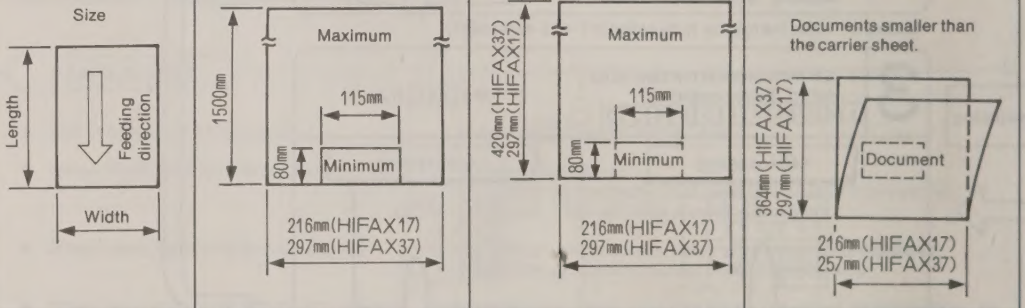
* Either the NORM or HIGH setting should be set when using the carrier sheet.

● Resolution

Display	NORM	FINE	S.FINE
Setting	For handwritten documents	For small characters.	Newspapers, diagrams.

* If the receiving party is a medium speed unit (G2 standard), the setting will be automatically set to NORM.

Range of Documents which can be Transmitted

	When sending only one page	When sending multiple pages	When using the carrier sheet
Size			
Thickness	0.04 ~ 0.15mm	0.04 ~ 0.15mm	0.1 mm or less
Number of pages which can be loaded.	One page	Paper thickness. Page 0.04~0.1mm 15 pages (Example: Letter paper) 0.1~0.15mm 10 pages (Example: Post card)	One page

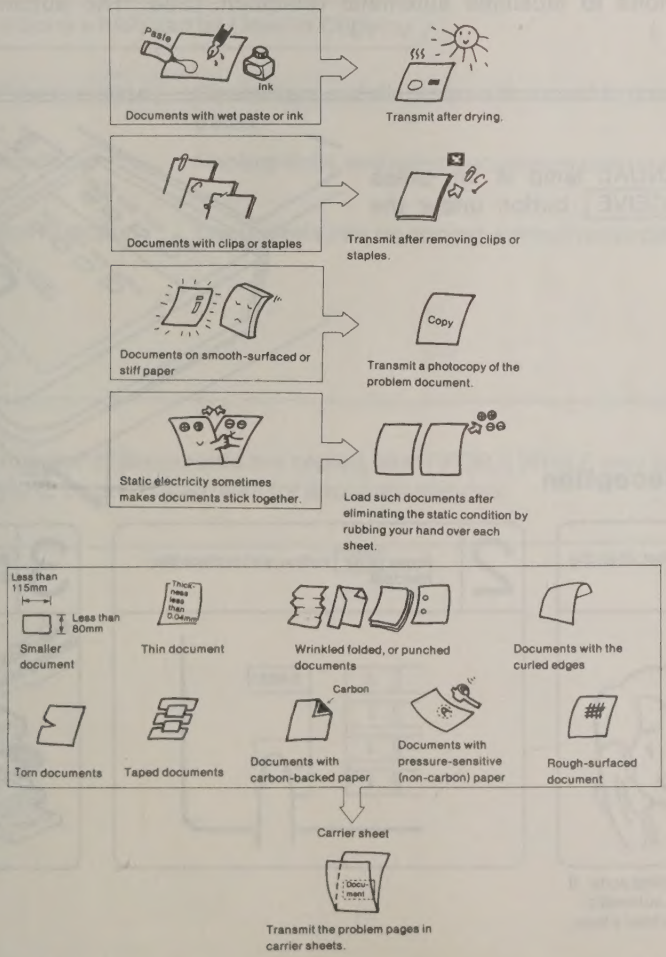
Automatic Reduction Function

The document transmitted will be sent as is or in an automatically reduced size according to the recording paper size of the receiving party.

* If you wish to send the document without reduction, set the non-reduction feature. See non-reduction mode 28

Untransmittable Documents

The documents listed below can not be transmitted as they are. Take the specified corrective measure.

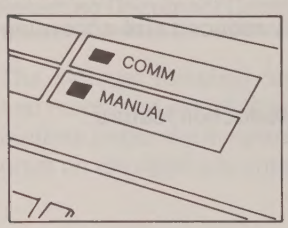

Paste
Ink
Documents with wet paste or ink
Transmit after drying.
Documents with clips or staples
Transmit after removing clips or staples.
Documents on smooth-surfaced or stiff paper
Copy
Transmit a photocopy of the problem document.
Static electricity sometimes makes documents stick together.
Load such documents after eliminating the static condition by rubbing your hand over each sheet.
Less than 115mm
Less than 80mm
Smaller document
Thin document
Wrinkled folded, or punched documents
Documents with the curled edges
Carbon
Torn documents
Taped documents
Documents with carbon-backed paper
Documents with pressure-sensitive (non-carbon) paper
Rough-surfaced document
Carrier sheet
Transmit the problem pages in carrier sheets.

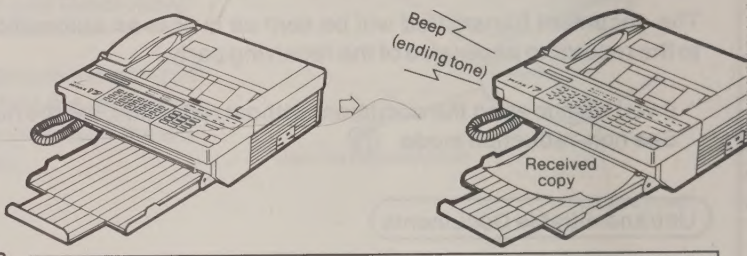
* Documents written in yellow, green, or light colors cannot be transmitted. At first, copy to check as you set contrast.

RECEPTION

■ Automatic Reception

If the MANUAL lamp is off, the unit will receive automatically.

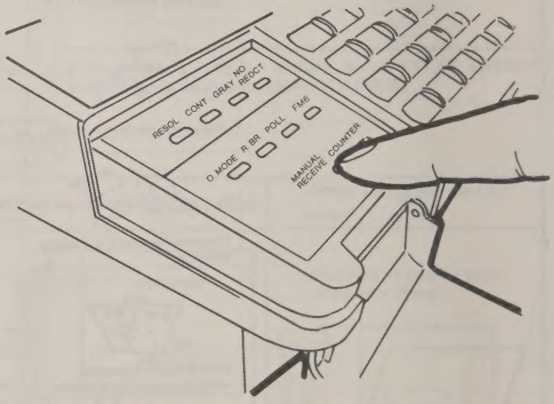




● Convenient Features

When in the automatic reception mode, it is possible to change the switching time from telephone to facsimile automatic reception. (See "The automatic receiving timer" 46 .)

When the MANUAL lamp is on, press MANUAL RECEIVE button under the subpanel cover.

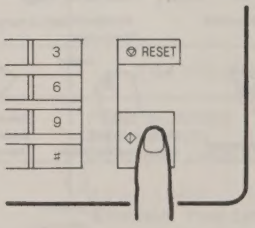


■ Manual Reception

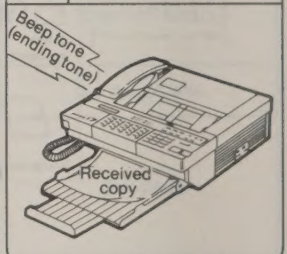
1 Lift the handset when the bell rings.

You can talk to the calling party. If the calling party is on automatic transmission, you will hear a tone.

2 Press FAX button, and replace the handset.

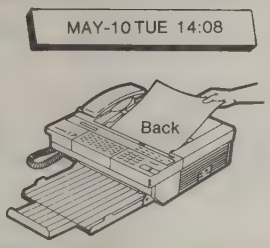


3 Reception starts and ends automatically.

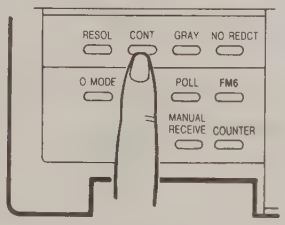


COPY

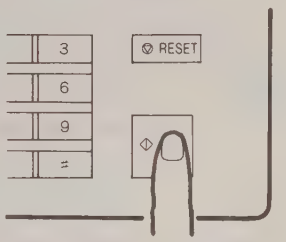
1 Make sure that the clock is displayed, then load the document.



2 Select the necessary modes.



3 Press FAX button.



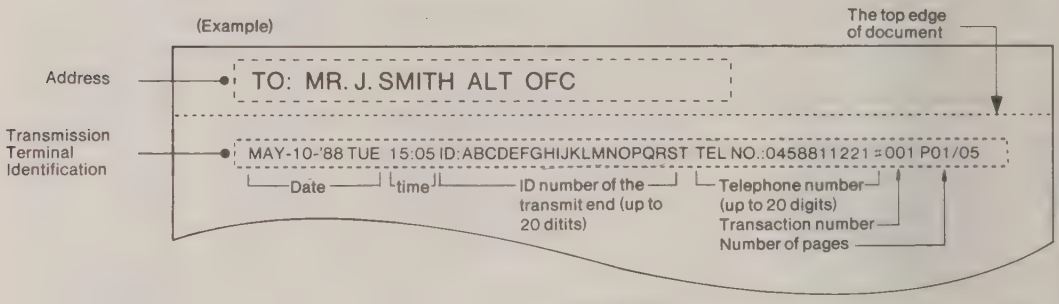
Convenient Functions which can be Used in Copying

- Semi Super Fine Function . . . Characters and diagrams are copied in greater detail. 17
- Gray Scale Function . . . . . Photographs and color documents can be copied. 17
- Non-Reduction Function . . . . Documents can be copied without reduction. 28

Precautions

When a large number of documents are copied, WAIT FOR A WHILE may be displayed. When copying is to be continued, wait for about ten minutes.

CONVENIENT FEATURE 1: ADDRESS/TRANSMISSION TERMINAL IDENTIFICATION



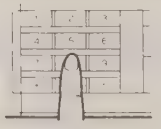
■ Address

As shown in the example above, the party which should receive the document is indicated in large characters at the top of the received copy.

Transmitting with Address

1 Register the single-button number.

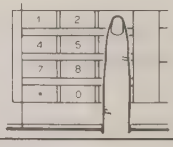
02: 14044468820



See "Single-Button Dialing/Abbreviated Dialing [24] " for details on registering single-button numbers.

2 Register the address which corresponds to the single-button number.

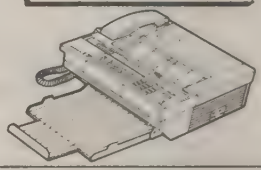
02: 02 32 = M



See the next page.

3 Load the document, then send using single-button dialing.

02: 14044468820



Registering Address

1 Press [FUNCTION] button and [*] and [5] of the keypad.

2 Press [SELECT] button.

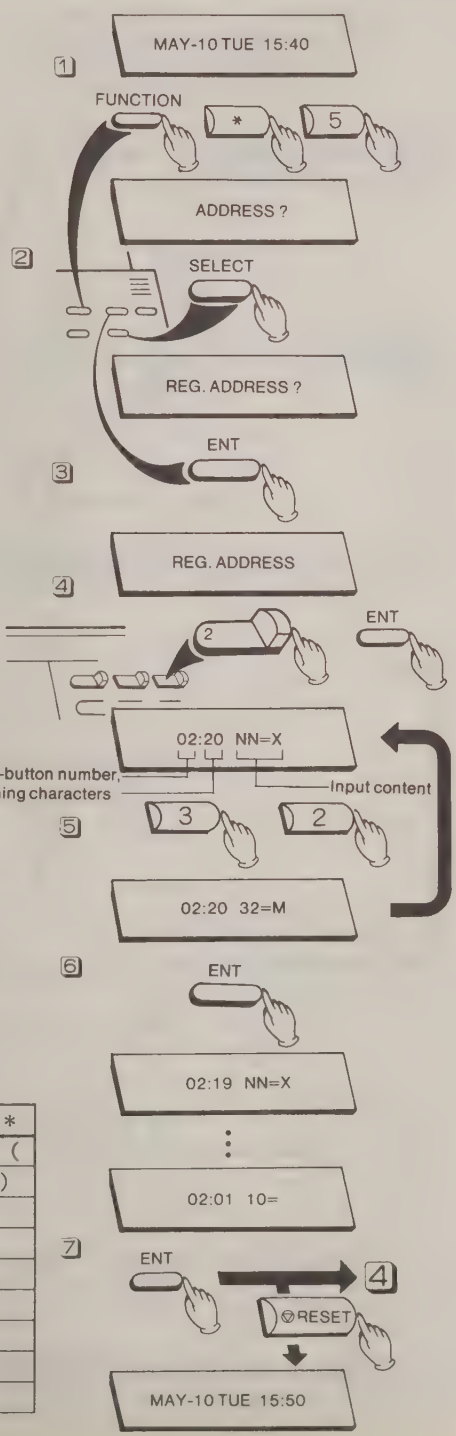
3 Press [ENT] button.

4 Press the single-button key to be registered and [ENT] button.
- If the single-button key is not already registered, "UNREGISTERED" is displayed.

5 The characters to be input should be selected from the table below, and input as two digits from the numeric keypad.
- If a mistake is made, the character can be reinput as shown by the sign " ➡ ".

6 Register using [ENT] button.
- Up to 20 characters can be registered.

7 When the last character is registered, press [RESET] button and the clock display is shown.
- You can return to [4] to register other reception terminals.



Character Set Code Table

First / Second	0	1	2	3	4	5	6	7	8	9	*
0	0		A	K	U						(
1	1	–	B	L	V						)
2	2	=	C	M	W						
3	3	'	D	N	X						
4	4	*	E	O	Y						
5	5	/	F	P	Z	(Japanese					
6	6	:	G	Q		characters)					
7	7	=	H	R							
8	8	·	I	S							
9	9	&	J	T							

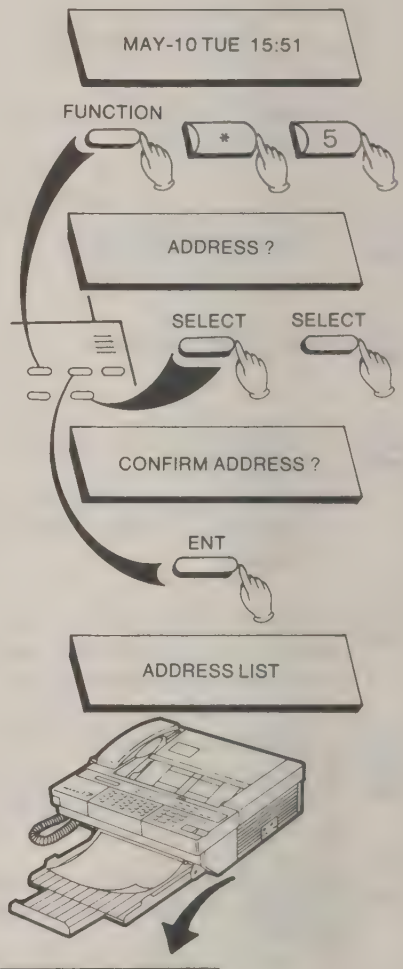
NN is the code currently set.
X is the number or character currently set.

Verifying Address

1. Press [FUNCTION] button and [*] and [5] of the numeric keypad.

2. Press [SELECT] button two times.

3. When [ENT] button is pressed, the address list is output.

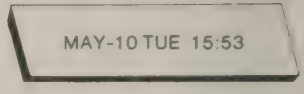


- Address List format

ADDRESS LIST – S.B.D. MAY-10-'88 TUE 15:20
TERM ID: ABCDEFGHIJKLMNOPQRST P-7890
FAX NO: 045-881-1221

SBD NO.	MODE	TEL NUMBER	ADDRESS
00		☎ 44-1-741-5366	HTC EUROPE OFC
01	G2	☎ 49-211-4961135	HTC EUROPE GMBH OFC
02		☎ 1-404-446-8820	MR. J. SMITH ATL
19			

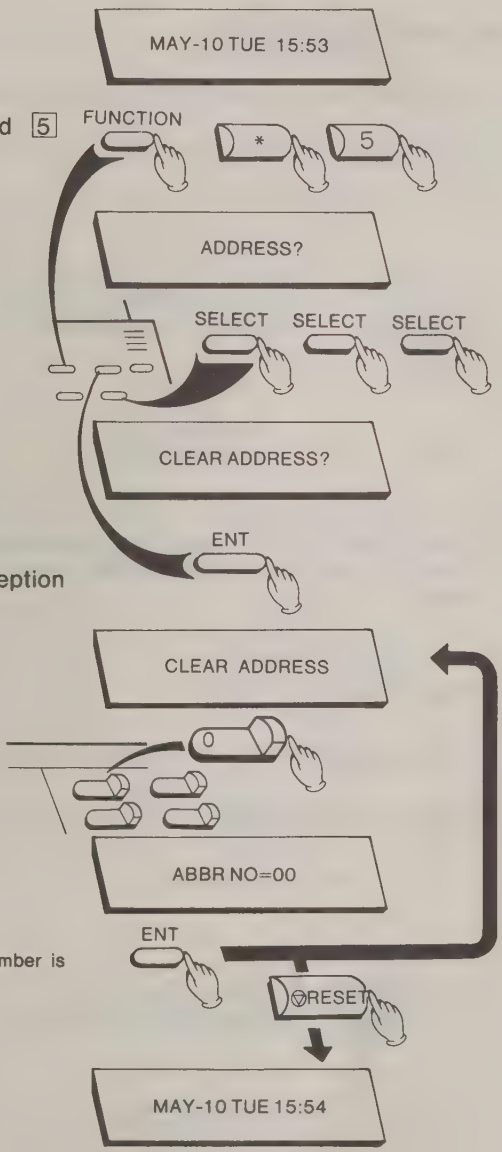
After the address list is output, the display returns to the clock display.



Clearing Address

1. Press [FUNCTION] button and [*] and [5] of the numeric keypad.
2. Press [SELECT] button three times.
3. Press [ENT] button.
4. Press the single-button key of the reception terminal to be cleared.
5. Pressing [ENT] button clears that key.
6. Press [RESET] button to return to the clock display

* Only the address is cleared. The telephone number is not cleared.



■ Transmission Terminal Identification

The transmission terminal identification is automatically printed at the top of the received copy.

To register transmission terminal identification, see 43 .

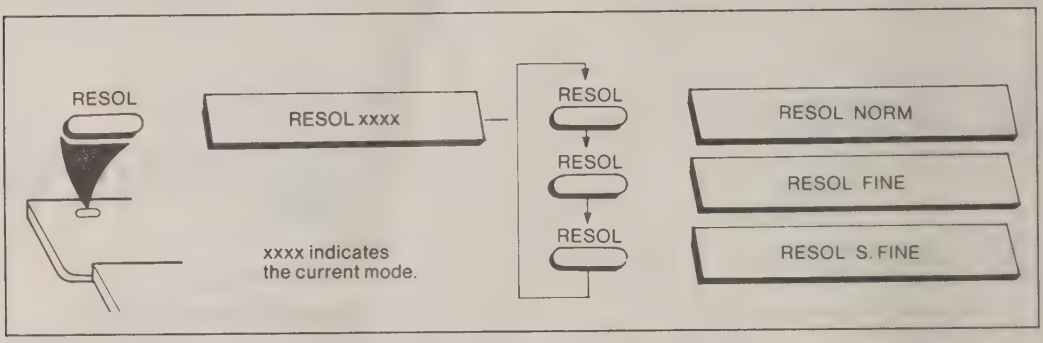
Any part of a document which overlaps with the transmission terminal identification will not be printed, so please do not write at the top of the document.

CONVENIENT FEATURE 2: SEMI SUPER FINE/ GRAY SCALE

■ Semi Super Fine

Use this function to transmit or copy diagrams, tables, etc. in detail.

The semi super fine function can be set by using [RESOL] button.

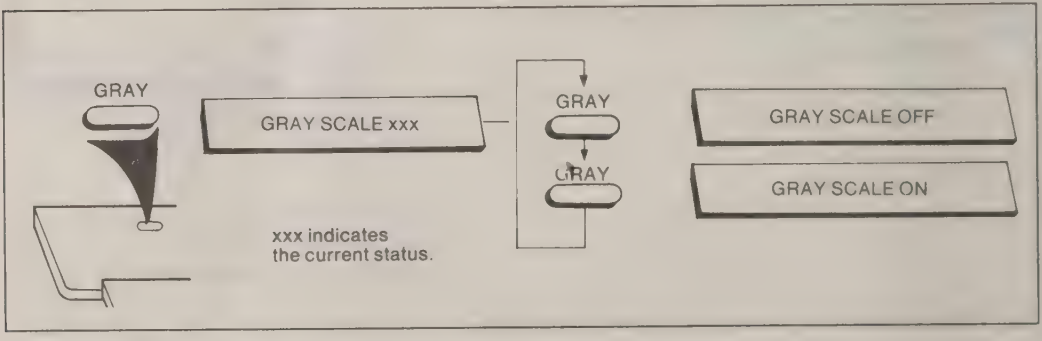


- If other functions are set, the display is cleared, however, the selected mode is maintained.
- After transmission or copying is completed, the selected mode is cleared and this function returns to the initial setting.

■ Gray Scale

Use this function to transmit photographs and color documents.

Gray scale is set with [GRAY] button.



- The gray scale mode is cleared after transmission or copying is completed.

Precautions

If the gray scale mode is on, the document is transmitted in the fine resolution mode even if semi super fine is selected.

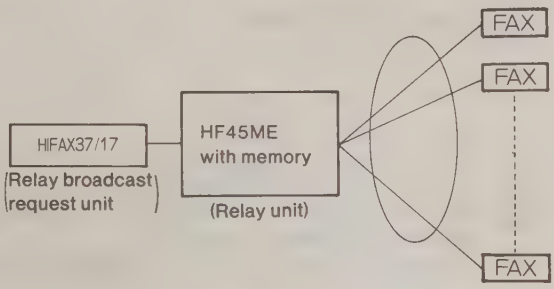
CONVENIENT FEATURE 3: FUNCTIONS FOR FACSIMILES WITH MEMORY

The HIFAX 37/17 can utilize the convenient features of facsimiles with memory.

■ Relay Broadcast Request

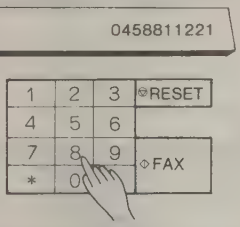
This is a method to set multi-station broadcasting from the transmitting unit through a relay unit.

- The relay group must be registered at the relay unit beforehand.
  The HF45ME (with memory option) can be used as the relay unit.



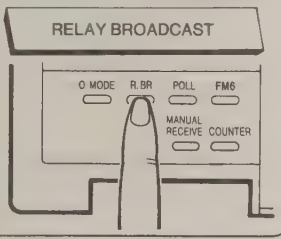
Operation

1 Register the telephone number of relay broadcast request unit.



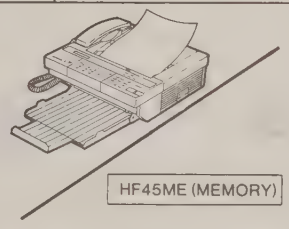
* The registering method is described in "Registering the Telephone Number of the Relay Broadcast Request Unit [20] ".

2 Register relay broadcasting.



* The registering method is described in "Registering Relay Broadcasting [19] ".

3 Transmit to the relay unit.



* Transmit according to "Transmission [7] ".

What to do when:

- When [R.BR] button is pressed and UNREGISTERED is displayed ⇨ The telephone number of the unit being used for relay broadcasting is not registered. Register the number according to "Registering the Telephone Number of the Relay Broadcast Request Unit [20] ".

- During relay broadcasting, NO MRY IN OP STN is displayed ⇨ The unit to which the transmission is made does not have relay capacity. Reconfirm the unit being transmitted to.

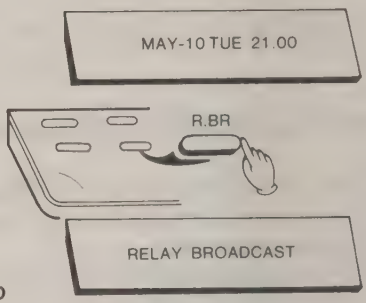
  OPP STN MRY FULL is displayed — The relay broadcasting unit is not capable of relaying the broadcast. After waiting for a period, retransmit the remainder.

  OP RL GR NOT REG is displayed ⇨ The specified group (GR) is not registered in the relaying unit. Have the relay group registered into the relay unit.

- After relay broadcasting, relay broadcasting journal is not received ⇨ Confirm the telephone number of your own unit. If the telephone number is correct, ask the relay broadcasting side to check their units.

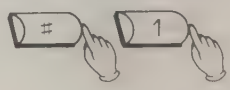
Registering Relay Broadcasting

1 Press [R. BR] button.

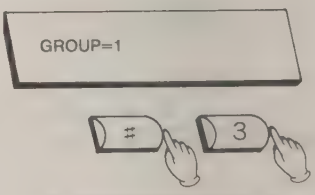


2 After pressing [#] button, press the group button to be sent. (Example: Group 1)

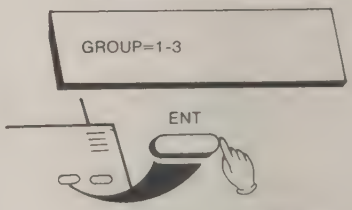
* Group selection is from Groups 1 through 3.



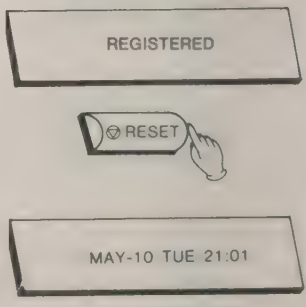
3 Enter up to 3 relay groups at the same time if necessary. (Example: Group 3)



4 Press [ENT] button.

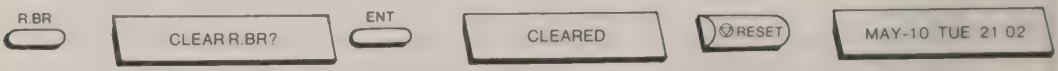


5 Press [RESET] button to return the display to the clock.



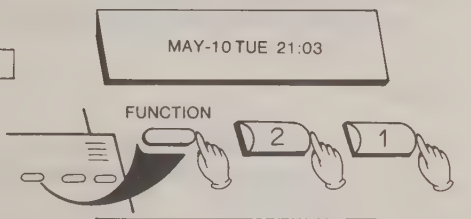
Clearing Relay Broadcast Registration

Press [R. BR] button after relay broadcast is registered.



Registering the Telephone Number of the Relay Broadcast Request Unit

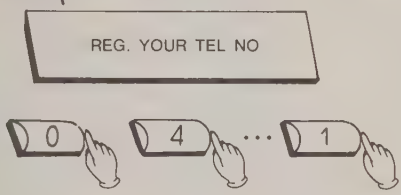
1. Press [FUNCTION] button and [2] and [1] of the numeric keypad.



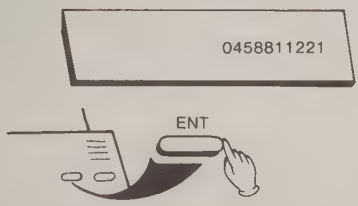
2. Input the telephone number from the numeric keypad.

   (Example: 0458811221)

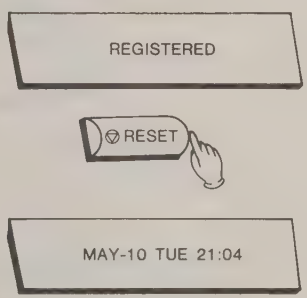
   * Up to 32 digits can be input.



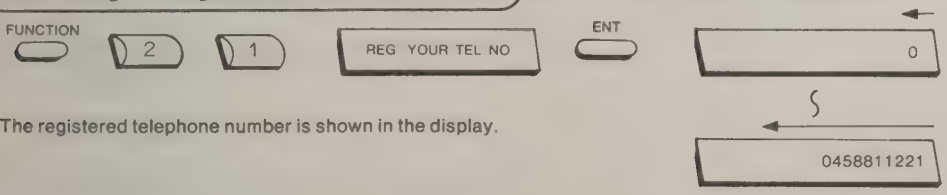
3. Press [ENT] button.



4. Press [RESET] button and return to the clock display.



Confirming the Registered Telephone Number



* The registered telephone number is shown in the display.

Relay Broadcasting Journal

- When multi-station broadcasting is completed by the relay broadcast unit, the unit transmits a relay broadcasting journal to HF37/17.

Format

POWER OUT ### *1
TX STATION RELAY BROADCASTING JOURNAL MAY-10-'88 21:45

(1)		(2)
OPPOSITE STATION	ITEM	ORIGINAL STATION
HTC EUROPE OFC	TERM ID	ABCDEFGHIJKLMNOPQRST
4417485366	FAX NO.	0458811221
10 21:40	ST. TIME	10 21:30
170	TRANS NO.	011
	GROUP NO.	1–3
	PGS	05

SUCCESSFUL TX

ABB. NO.	TEL NO.	#PGS
00	2345678	05
01	7654321	05

UNSUCCESSFUL TX

ABB. NO.	TEL NO.	#PGS

(1) "OPPOSITE STATION" is the relay station
(2) "ORIGINAL STATION" is your machine.

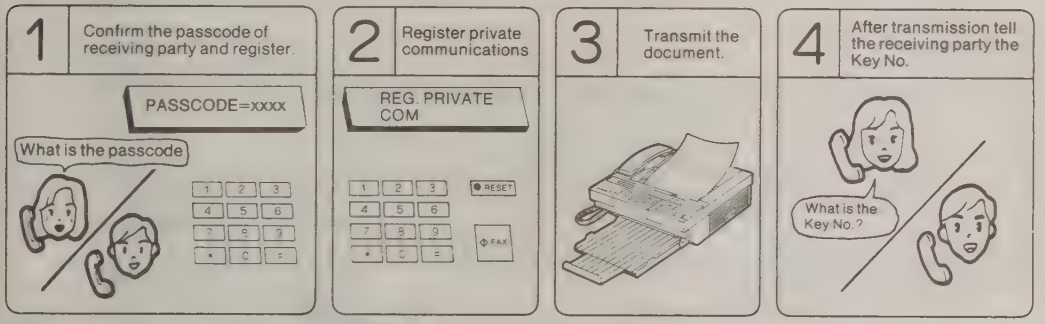
*1 This is printed if there is a power failure during multi-station broadcasting from the relay broadcast unit.

■ Private Communication

Use this function to transmit a document confidentially.
Private communication is possible with HF45ME (with memory option) units.

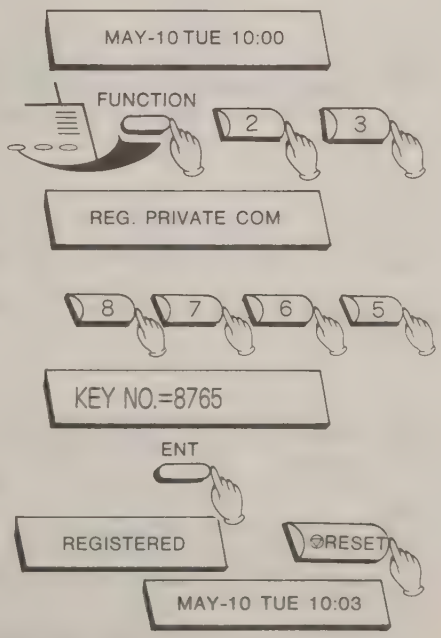
Operation

* See "Setting the Passcode 31 " for the method to register the passcode.



See below.

Registering Private Communications



1 Press [FUNCTION] button, then [2] and [3] from the numeric keypad.

2 Register the Key No. from the numeric keypad.

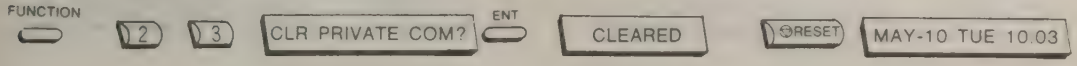
- The Key No. is a code which the receiving party must input in order to receive the document.
- The Key No. can be any number between 0000 and 9999.

3 Press [ENT] button.

4 Press [RESET] button to return to the clock display.

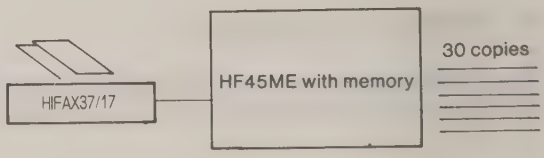
Clearing Private Communications Registration

Registered private communications can be cleared through the following procedure.



■ Remote Multi-Copy

By setting the number of copies from the transmitting unit, multiple copies of a document are made at the receiving unit.

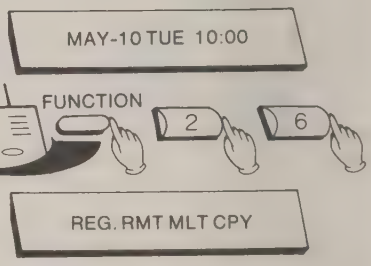


- Remote multi-copy can be sent to the HF45ME (with memory option) unit.

Operation

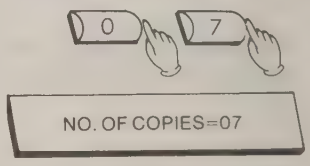
After following the registration procedure below, transmit according to "Transmission [7]".

Registering Remote Multi-Copy

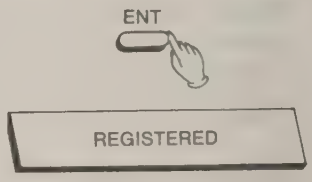


1 Press [FUNCTION] button, then [2] and [6] of the numeric keypad.

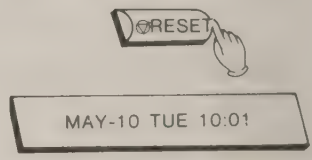
2 Specify the number of copies by entering two digits. (Example: 7)
- From 1 through 30 copies can be specified.



3 Press [ENT] button.



4 Press [RESET] button to return to the clock display.



5 Transmit document [7].

Clearing Remote Multi-Copy Registration

Remote multi-copy registration can be cleared through the following procedure.

CONVENIENT FEATURE 4: SINGLE-BUTTON DIALING/ ABBREVIATED DIALLING

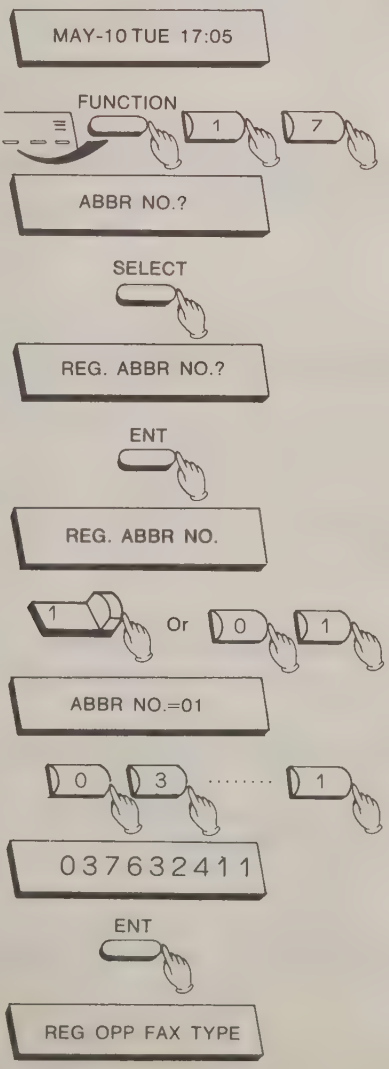
■ Single-Button Dialing/Abbreviated Dialing

If telephone numbers are preregistered, dialing can be simplified. Numbers which are used frequently or numbers with many digits can be registered for greater convenience.

Transmission Using Single-Button Dialing/Abbreviated Dialing

See "Transmission [7] " for a description of transmission using single-button dialing and abbreviated dialing.

Registering Single-Button Dialing/Abbreviated Dialing



1 Press [FUNCTION] button, then [1] and [7] of the numeric keypad.

2 Press [SELECT] button..

3 Press [ENT] button.

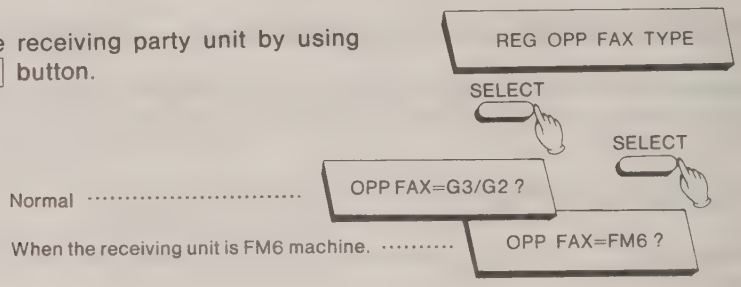
4 Press the single-button key, or input the abbreviated number from the numeric keypad.

5 Input the telephone number to be registered from the numeric keypad.
- Up to 32 digits can be registered.
- When you wish to include a "P" for pause, see "Registration: [PAUSE] button [42] " for details.

6 Press [ENT] button.

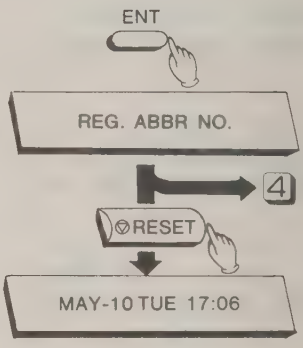
(Registration of the dial has been completed. Go to the next page to register the receiving party unit.)

7 Select the receiving party unit by using SELECT button.



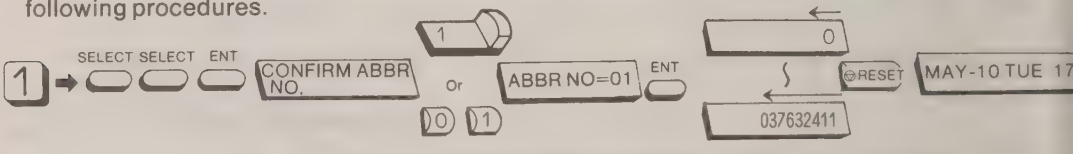
8 Press ENT button.
- You can return to 4 from here and register other numbers.

9 Press RESET button to return to the clock display.



Confirming Single-Button Dialing/Abbreviated Dialing Registration

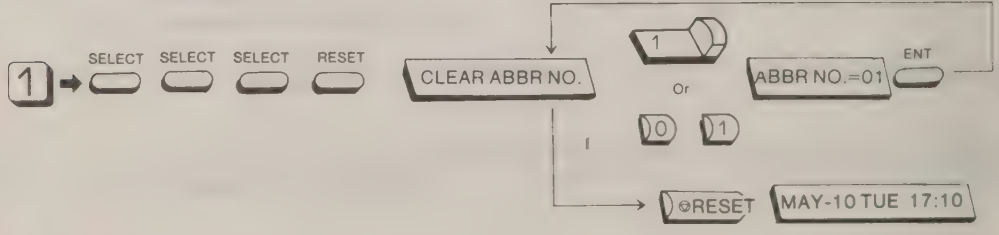
- Confirm the registered single-button dialing/abbreviated dialing numbers through the following procedures.



* When a number is not registered, UNREGISTERED appears in the display.
* When you wish to confirm all the registered numbers, outputting the "Abbreviated Number List 26 " is convenient.

Clearing Single-Button Dialing/Abbreviated Dialing Numbers

- Clear the registered single-button dialing/abbreviated dialing numbers through the following procedures.

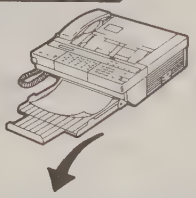


■ Outputting the Abbreviated Number List

The numbers registered can be verified by outputting the abbreviated number list.

Operation

JNL/LIST → JOURNAL ? → SELECT SELECT → ABBR LIST ? → ENT → ABBR LIST



Format

ABBREVIATED NUMBER LIST

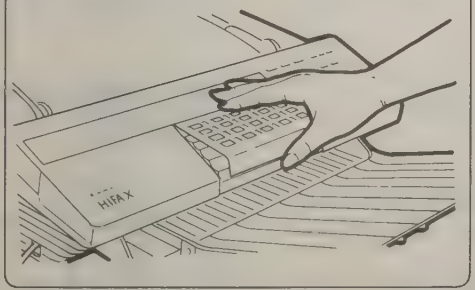
MAY-10-'88 TUE 10:00
TERM ID: ABCDEFGHIJKLMNOPQRST P-7890
FAX NO : 03-763-2411

AB NO.	MODE	TEL NUMBER
00		☎ 4417415366
01	G2	☎ 492114961135
02		
03		
04		
49		

AB NO.	MODE	TEL NUMBER
50		☎ 50-001
51		☎ 51-0010
52		
53		
54		☎ 579
99	G2	☎ 580

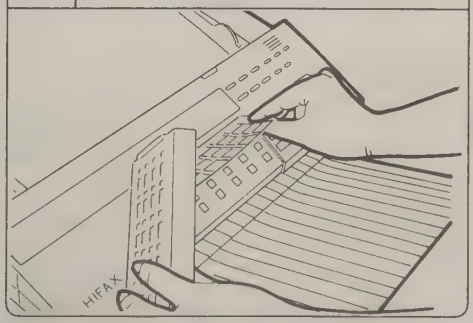
■ Attaching and Removing the S.B.D. Sheet

1 Remove the single-button cover.



Lightly press the front center of the single-button cover and lift.

2 Remove the SBD sheet.



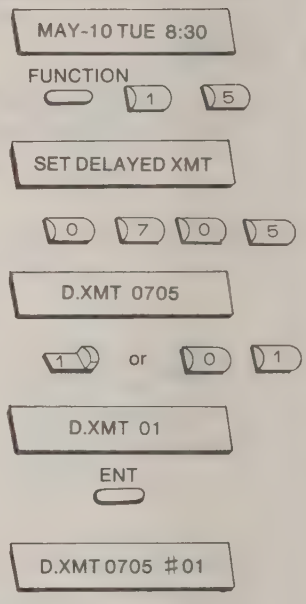
CONVENIENT FEATURE 5: DELAYED TRANSMISSION/ PRIORITY TRANSMISSION

■ Delayed Transmission

By specifying the time to transmit, it will automatically transmit at that time.

Setting Delayed Transmission

1. Set the document, then press [FUNCTION] button and [1] and [5] of the numeric keypad.
   - Preset the contrast, resolution, etc.
2. Input the time to transmit from the numeric keypad.
   - The time should be input using the format 24-hour clock, with four digits.
3. Input the single-button key or abbreviated number of the party to receive the document.
4. Press [ENT] button.

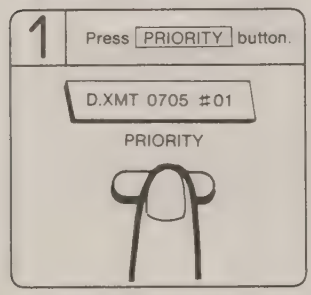


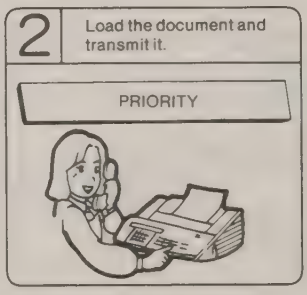
Clearing Delayed Transmission

■ Priority Transmission

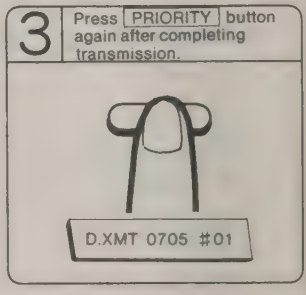
Even if the unit is in the delayed transmit (display: D.XMT 0705 #01) or delayed polling (display: D. POLL 2100) mode, you can override it to transmit an urgent document.

Operation





In prioity transmission, lift the handset before dialling.



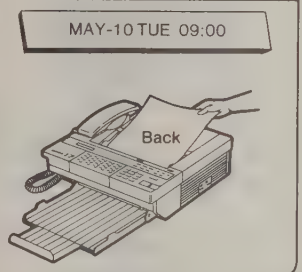
* After transmission, be sure to release priority transmission by pressing [PRIORITY] button or else delayed functions does not operate.

CONVENIENT FEATURE 6: NON-REDUCTION MODE

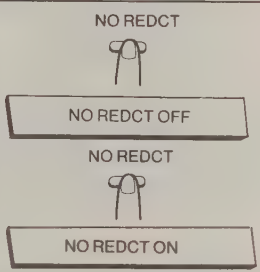
It is possible to transmit A3 size or B4 size documents without reduction.
If reduction makes characters illegible or if only one part of the document (the center) needs to be transmitted, use this function.

Operation

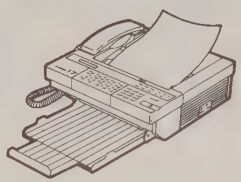
1 Ent the document.



2 Press NO REDCT button two times.



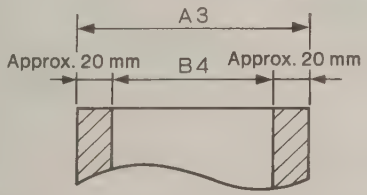
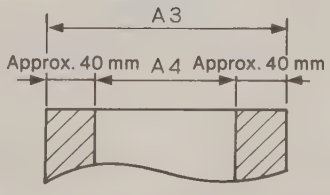
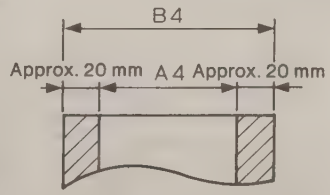
3 Transmit the document.



* The non-reduction specification is automatically cleared after one transmission.

Reading Width During Non-Reduction Transmission

The shaded portion is not transmitted.

Receiving side / Transmitting side	Recording paper B4 size	Recording paper A4 size
Original document size A3		
Original document size B4	There is no need to specify Non-Reduction Mode.	

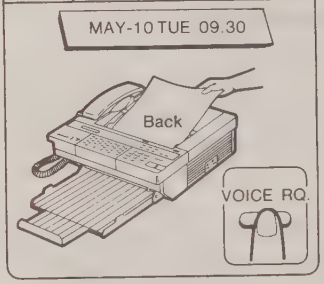
* If Non-Reduction mode is specified when making copies, the copies can be made without size reduction.

CONVENIENT FEATURE 7: VOICE REQUEST

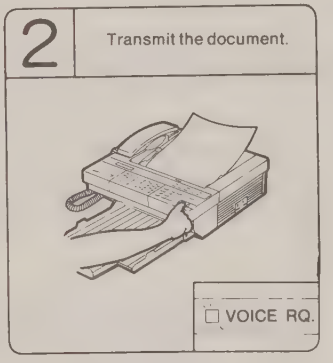
You can request to converse with the other party through the telephone set before transmission or after transmission or reception.

■ Voice Request before Transmission

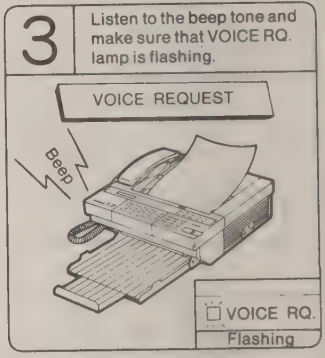
1 Load the document and press [VOICE RQ.] button.



2 Transmit the document.



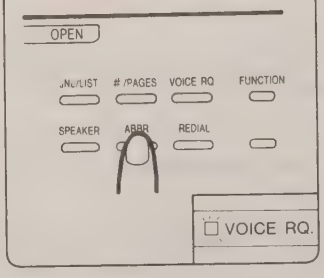
3 Listen to the beep tone and make sure that VOICE RQ. lamp is flashing.



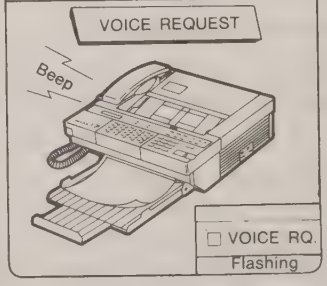
Transmit the document starting from procedure 2 of "Transmission [7]".

■ Voice Request during Transmission or Reception

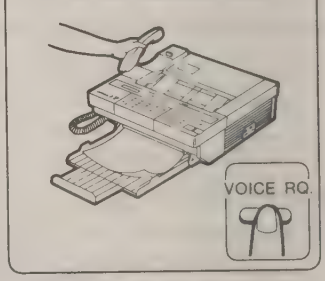
1 Press [VOICE RQ.] button during transmission or reception.



2 Listen to the beep tone and make sure that VOICE RQ. lamp is flashing.

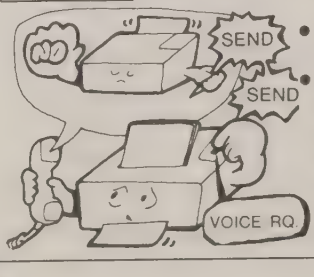


3 Lift the handset and press [VOICE RQ.] button.



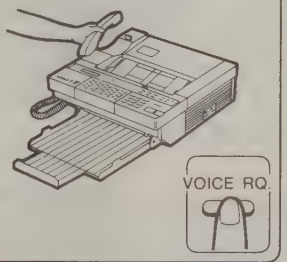
Return the handset after finishing the conversation.

Precautions



- While [COMM] lamp is flashing, [VOICE RQ.] button is ineffective.
- The voice request feature does not work when the other party is using a medium-speed machine. It also does not work when the other party is using high-speed machine (G3) which is not equipped with the voice request feature.

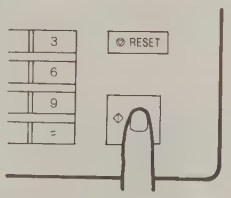
4 Lift the handset, then press [VOICE RQ.] button.



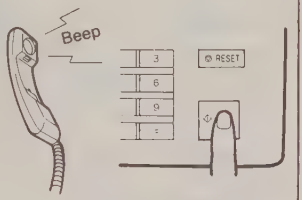
You can talk when the other party picks up their handset.

5 When transmitting after talking, have the other party press [FAX] button.

Procedure at the other party.

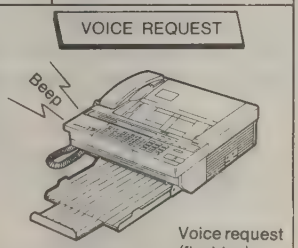


6 After confirming the beep tone, press [FAX] button.



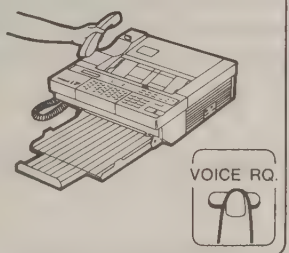
■ Receiving Voice Request

1 Listen to the beep tone and make sure that VOICE RQ. lamp is flashing.



Voice request (flashing)

2 Lift the handset, then press [VOICE RQ.] button.



After finishing the conversation, return the handset.

Note

The flashing of the [VOICE RQ.] and buzzer sounds for about eight seconds. Please pick up the handset and press [VOICE RQ.] button within those eight seconds.

Within 8 seconds

CONVENIENT FEATURE 8: POLLING

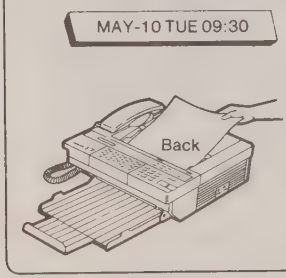
A document preset at the transmitting side can be received through operation at the receiving side. This is called polling.

■ Transmission Side Operation

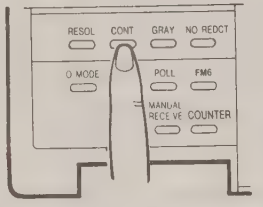
Make sure that [MANUAL] lamp is off.

(Example: When the passcode is 1234.)

1 Make sure that the clock is displayed, then load the document.

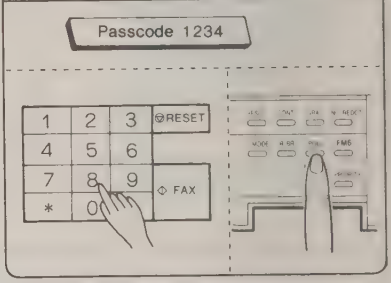


2 Select the contrast and resolution if required.



Other convenient features which can be set at this time are "Overseas Transmission, Department Code and Page Number".

3 Set the passcode, then press [POLL] button until "POLLING ON" shows.

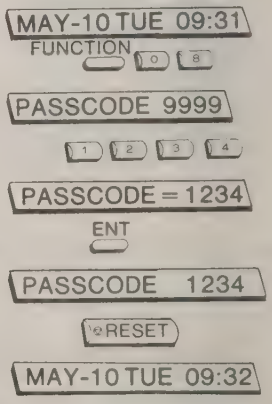


See the following section on setting the passcode.

Setting the Passcode

A passcode is used in polling and private communications. The transmitting and receiving sides must both set the same passcode for polling and private communications. However, if the transmitting side sets the passcode 0000, then regardless of the passcode set by the receiving side, polling is possible.

1. Press [FUNCTION] button, then [0] and [8] keys of the numeric keypad.
2. Input a four number passcode. (Example: 1 2 3 4)
3. Press the [Ent] button.
4. Press [RESET] button to return to the clock display.



Precautions

- When the other party is a G2 unit polling is not possible.
- Furthermore, there are some G3 units for which polling is not possible.
- When using the polling function with G3 units made by other manufacturers, be sure to set the passcode to 0000. When this is not done, polling is not possible.

■ Polling Variations

Turnaround Polling

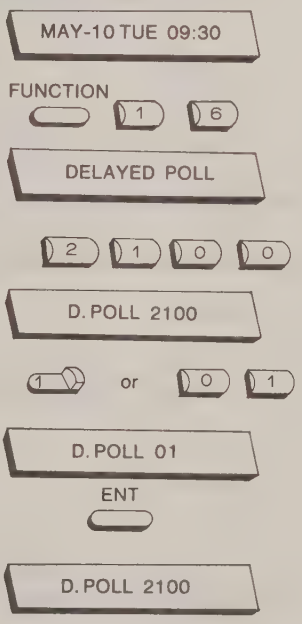
The polling party can also transmit documents to the other party. The polling is automatically performed after transmission. This function is available only if the other party is the machine which has the same facility.

Delayed Multiple Polling

The polling party can specify the time when the polling starts, and more than one polled party.

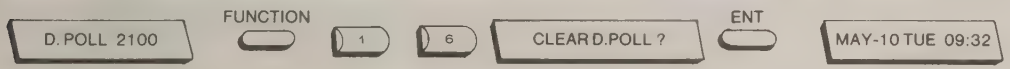
- Operation

1. Press [FUNCTION] button, then [1] and [6] keys of the numeric keypad.
   - Be sure to preset the passcode.
2. Input the time from the numeric keypad. (Example: 21:00)
   - The time should be set according to the 24-hour format clock and in four digits.
3. Input the other party using the single-button key or abbreviated dialling.
   - Up to 100 parties can be input consecutively.
4. Press [ENT] button.



- Clearing

Delayed multi-polling can be cleared through the following procedure.



Precautions

- Turnaround polling and delayed multiple polling cannot be used together.
- The delayed multiple polling can be overridden by priority transmission [27].

■ Receiving Side Operation

Input the passcode, press [POLL] button and perform transmission operation [7].

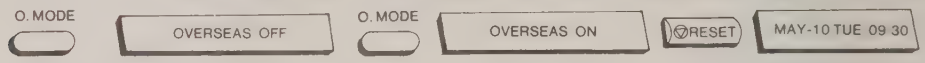
CONVENIENT FEATURE 9: OVERSEAS TRANSMISSION, FM6 TRANSMISSION, DEPARTMENT CODE, PAGE NUMBER AND COUNTER

Overseas transmission, FM6 transmission, department code and page number can be set each time.
These are automatically cleared after each transmission. Refer to the setting procedures below, then transmit according to "Transmission [7]".

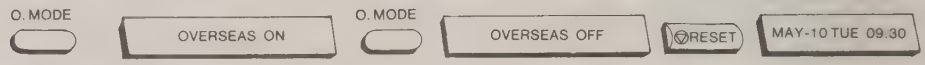
■ Overseas Transmission

Use this mode when line condition is too poor.

- Setting



- Clearing



■ FM6 Transmission

Use this mode when the opposite party is FM6.

- Setting

- Clearing

■ Department Code

When a facsimile is used by many departments, appending department codes in journal [36] (00 to 99) help in managing the communications situation.

Journal

DEPT CODE	COMM. CODE
39	-----

- Setting (Example: When setting department code 9)

The department code cannot be set during transmission.
When a communications error occurs, the department code is not cancelled.

■ Page Number

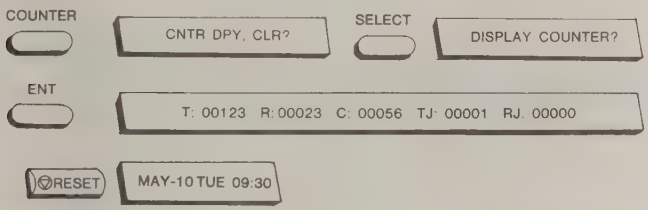
The number of pages can be printed on the right side of the "Transmission Terminal Identification [16] ".

- Setting (Example: When 7 pages are transmitted.)

■ Counter

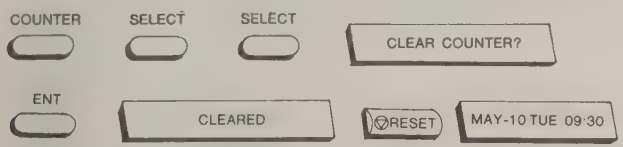
The each total numbers of sheet which were sent, received, copied, jammed in transmit/receive side, are indicated when this button is pressed.

- Display



T: The number of transmitted documents
R: The number of received copies
C: The number of copied sheets
TJ: The number of jammed documents
RJ: The number of jammed copies

- Clearing



All counters are cleared to "00000".

CONVENIENT FEATURE 10: JOURNAL/LIST

Journal	:	This is automatically output every 50 transactions. The journal lists transmitting and receiving records separately.	36
Call Back Message	:	This message notifies the user that there was a voice request from the transmitting or receiving party.	38
Message Confirmation	:	This is a message which indicates the transmission results for each transmission.	38
Abbreviated Number List	:	This is a list of the registered single-button keys and abbreviated numbers.	26
Address List	:	This is a list of all registered addresses.	15
Function List	:	This is a list of the current settings of the various modes (resolution, polling, etc.).	39
Broadcasting Journal	:	When relay broadcast is requested, this report is sent from the relay unit to indicate the results of relay broadcasting.	21

■ Journal

JOURNAL

(1)

MAY-23-'88 WED 14:00
TERM ID: ABCDEFGHIJKLMNO-0007 P-8888
TEL NO : 213554387

TRANSMIT RECORD

(2) NO.	(3) DATE	(4) ST. TIME	(5) TOTAL TIME	(6) #PGS	(7) TEL NO.	(8) STATUS	(9) DEPT. CODE	COMM. CODE
–	–	–	–	–	–	–	–	–
(10) TOTAL #PGS								

RECEIVE RECORD

NO.	DATE	ST. TIME	TOTAL TIME	#PGS	TEL NO.	STATUS	DEPT. CODE	COMM. CODE
–	–	–	–	–	–	–	–	–
(10) TOTAL #PGS								

(11) END PAGE - - -

The following is a description of the contents.

(1) The date and time the journal was output, the terminal ID, telephone number of the unit, and the passcode are output.

(2) No. : NO. – On Transmit Record
Transaction number of send operations starts from 001 to 999, then starting again from 001.
NO. – On Receive Record
Corresponds to the transaction number of the machine at the other end if it has a transaction number.

(3) Starting date/time : The month, day, hour and minute communications was started are printed.

(4) Elapsed time : The elapsed time for the communication is indicated.

(5) Pages : The number of transmitted/received pages is indicated.

(6) TEL NO. : Telephone number of opposite machine is indicated.

(7) Status : The communications results are indicated as follows,
1): Blank ... Normal communication
P ... Polling
V ... Turnaround polling
U ... Priority
C ... Relay broadcast request
2): OK ... Normal end
* ... Problems at this end
– ... Communication failure

(8) Department code : When department codes are set, they are indicated here.

(9) Communication code : The communications status is indicated in coded form.

(10) Total pages : The total number of successfully transmitted and received pages on this journal is indicated.

(11) Automatic output : This is displayed when the journal is automatically output.

Output

The journal can be output automatically or manually.

- Automatic output

When the number of transmissions and receptions totals 50, the journal is automatically output after the last communication is finished.

- Manual output

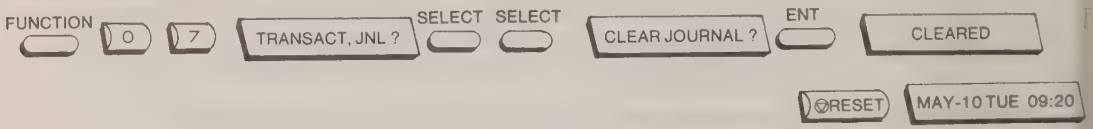
Make sure that the clock is displayed, then output the journal by following the procedure below.

Precautions

- Once the journal is automatically output, its contents are erased.
- However, if there is no recording paper, the recording paper jams or any other recording unit error occurs during output, the journal is not cleared.
- The content of the journal is not cleared after manual output.
- When a reception comes in during output of the journal, the telephone rings and the document is automatically received after the journal is output.

Clearing the Content of the Journal

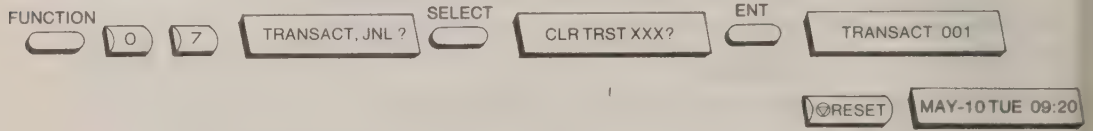
Make sure that the clock is displayed, then perform the following procedure to clear the journal contents.



* This process also clears the transaction number, so that it starts counting from 001 again.

Initial Setting of the Transaction number

Make sure that the clock is displayed, then perform the following procedure to set the transaction number to 001.



* The current transaction number is displayed at xxx.

■ Call Back Message

VOICE REQUEST MAY-10-'88 TUE 08:30

PLEASE CALL BACK TO THE FOLLOWING.
TEL NO. _____
(Telephone number of the facsimile which initiated Voice Request)

■ Message Confirmation

MESSAGE CONFIRMATION MAY-10-'88 TUE 08:40

TERM ID : ABCDEFGHIJKLMNO-0007 P-8888
TEL NO : 001 221 9205

NO.	DATE	ST. TIME	TOTAL TIME	TEL NO.	DEPT CODE	OK	NG
049	05-10	08:35	00°04'36	XXXX0003	03	07	01

■ Function List

Function list is convenient for confirming the various mode settings (resolution, polling, etc.).

Output Format

FUNCTION LIST MAY-10-'88 TUE 10:21
TERM ID : ABCDEFGHIJKLMNOPQRST
TEL NO : 045-881-1221

OPERATION	ITEM	STATUS
BUTTON	CONTRAST	HIGH
BUTTON	RESOL	FINE
BUTTON	FM6 MODE	ON
BUTTON	POLLING	OFF
BUTTON	OVERSEAS COM	ON
BUTTON	NO REDUCTION	ON
BUTTON	GRAY SCALE	ON
BUTTON	RELAY BROADCAST REQUEST	OFF
F12	CONTRAST HOME POSITION	HIGH
F12	RESOL HOME POSITION	FINE
F12	POLLING HOME POSITION	REGISTRATION ON
F32	WARM UP	ON 08:12
F34	RING TIME	10S

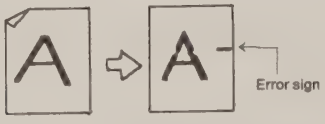
F: [FUNCTION] BUTTON

Output Operation

Make sure that the clock is displayed, then perform the following procedure to output the function list.

JNL/LIST → JOURNAL? → SELECT → SELECT → SELECT → FUNCTION LIST ? → ENT → FUNCTION LIST

■ Error Signs



With this function, small horizontal marks are printed in the right margin of the received copy if line quality is poor.

Error signs call attention to portions of the received copy that may require re-transmission.

REGISTRATION: SETTING THE CLOCK

The clock is used for the journal, transmission terminal identification, clock display, delayed transmission and delayed polling.

Setting and Correcting

The year, month, date, day of the week, hour and minute can all be set individually.

(Example: When changing the clock from December 9, 1987 2I:05 to June 16, 1988 8:30).

MONTH

Step	Operation	Display
1	FUNCTION 0 1	MON. DEC
2	0 6	MON.=JUN
3	ENT	MON. JUN
4	RESET	(Clock display)

Specify the month using a two-digit code.
(Example: June 06)

DATE/DAY OF THE WEEK

Step	Operation	Display
1	FUNCTION 0 2	DAY 09 WED
2	1 6	DAY=16 WED
3	ENT	DAY 16 WED
4	5*	DAY 16 THU
5	ENT	DAY 16 THU
6	RESET	(Clock display)

* Day-of-the Week Code Table

Code	Day of the week	Display
1	Sunday	SUN
2	Monday	MON
3	Tuesday	TUE
4	Wednesday	WED
5	Thursday	THU
6	Friday	FRI
7	Saturday	SAT

YEAR

Step	Operation	Display
1	FUNCTION 0 3	YEAR '87
2	8 8	YEAR='88
3	ENT	YEAR '88
4	RESET	(Clock display)

Specify the last two digits of the year.

HOUR

Step	Operation	Display
1	FUNCTION 0 4	HOUR 21
2	0 8	HOUR=08
3	ENT	HOUR 08
4	RESET	(Clock display)

Specify the hour in the 24-hour format (two digits).
(Example: 8:00 a.m. 08; 8:00 p.m. 20)

MINUTE

Step	Operation	Display
1	FUNCTION 0 5	MIN. 05
2	3 0	MIN.=30
3	ENT	MIN. 30
4	RESET	(Clock display)

Specify the minute in two digits.
(Example: 5 min. 05)

Clock display

JUN-16 WED 08:30

REGISTRATION: PAUSE BUTTON

Depending on how many times the PAUSE switch is depressed, the function changes according to the applicable country. The following is the description.

- Imposes adequate pause for connection to PSTN through PABX: [PAUSE] [ENT] Displays "P".

- Inserts "–" indication between digits for easy reading of registered number. This is valid only when an abbreviated number is registered: [PAUSE] [PAUSE] [ENT]

REGISTRATION: TERMINAL ID AND TELEPHONE NUMBER

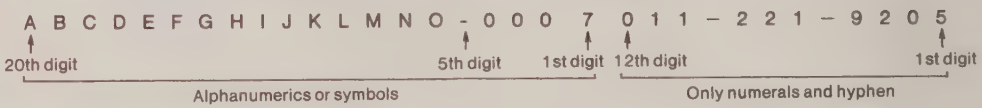
If the terminal ID and telephone number is registered, records can be left in the journals, transmitting terminal IDs, etc.

Terminal ID and Telephone Number

Both terminal ID and telephone number can be up to 20 digits long. Characters to be registered are predetermined depending on digit location.

- Terminal ID

Telephone number


A B C D E F G H I J K L M N O - 0 0 0 7 0 1 1 – 2 2 1 – 9 2 0 5
20th digit
5th digit
1st digit
12th digit
1st digit
Alphanumerics or symbols
Only numerals and hyphen

Registration

Make sure that the clock is displayed and follow the steps below.

- Registering the terminal ID
  (Example: ABCDEFGHIJKLMNO-0007)

Step	Digit	Terminal ID	Button operation	Display	Explanation
1			FUNCTION 0 6	20 XX=Y	XX is the currently displayed code.
2	20	A	2 0	20 20=A	The characters to be set should be set according to the "Terminal ID/Telephone NO. Table [44] " using two digits.
3	19	B	ENT 2 1	19 21=B	
4	18	C	ENT 2 2	18 22=C	
36	5	–	ENT 1 1	05 11=–	
37	4	0	ENT 0 0	04 00=0	
38	3	0	ENT 0 0	03 00=0	
39	2	0	ENT 0 0	02 00=0	
40	1	7	ENT 0 7	01 07=7	
41			ENT	(Clock display)	The clock is displayed.

If you make a mistake, re-register from the beginning.

After registration, confirm the terminal ID by outputting the Journal (page [37]).

- Registering Telephone Number

* Register your telephone number in the same procedure as for the terminal ID except FUNCTION 3 3 instead of FUNCTION 0 6 in the first step. Only numerals and blanks can be used for a telephone number.

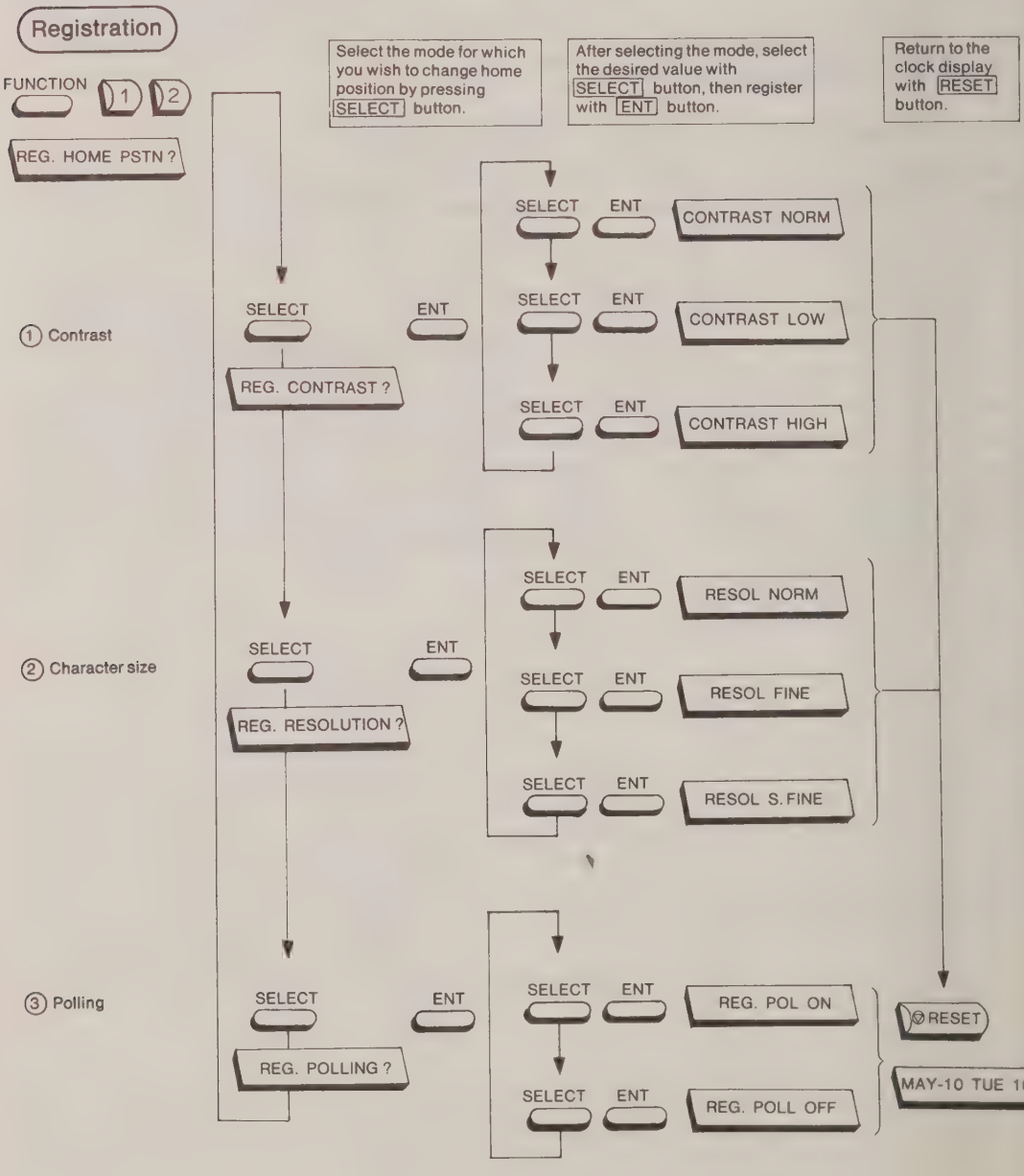
Terminal ID/Telephone NO. Table

Be sure to input the code in two digits with "Digit 1" coming first.

Digit 2 \ Digit 1	0	1	2	3	4	5	6	7	8	9
0	0	Blank	A	K	U					
1	1	−	B	L	V					
2	2	#	C	M	W					
3	3	'	D	N	X					
4	4	*	E	O	Y		(Japanese character)			
5	5	/	F	P	Z					
6	6	:	G	Q						
7	7	=	H	R						
8	8	.	I	S						
9	9	&	J	T						

REGISTRATION: HOME POSITION OF OPERATION PANEL

When you always send documents with low contrast or with fine characters, the following procedure allows you to change home position of operation panel so that you must not change the modes every time.

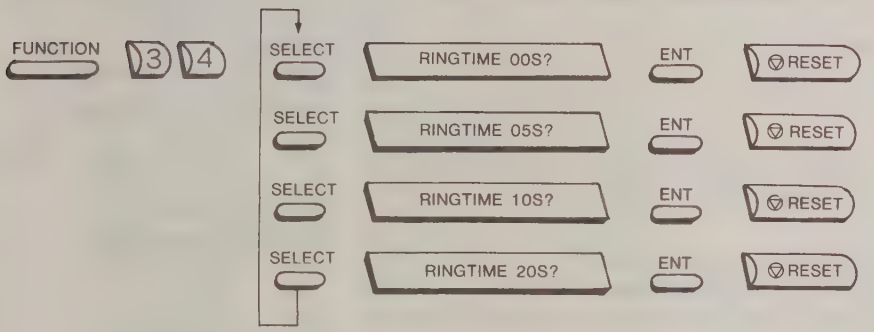


- Confirm the contents you have set with the "Function List 39 ".

REGISTRATION: AUTOMATIC RECEIVING TIMER

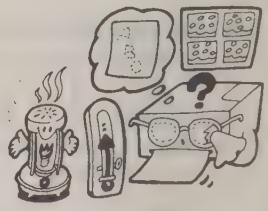
This feature provides the user with voice telephone communications even during automatic receive mode (when the MANUAL lamp does not light).

Select a receive time setting with the procedure below. This rings the bell for the specified time upon an incoming call and then allows the automatic facsimile reception.
If you lift the handset while the machine is ringing, you can converse with other party.



"00S" means an automatic reception immediately after a call terminates.

REGISTRATION: PREHEATING TIME



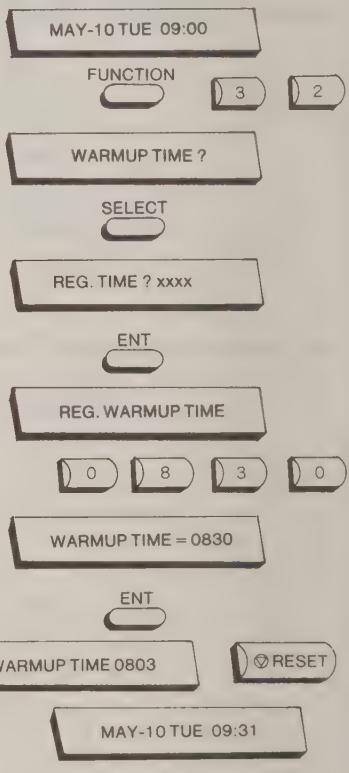
When the room temperature changes rapidly, the lens in the machine fogs up so that the received image is sometimes too light or too dark.

This can be prevented by pre-heating the machine for 1 hour before use.
The machine will start to warm up automatically at any time the user specifies and, for example, be ready to use by the time office opens in the morning.

After you register a pre-heating time, always leave the power turned on, even at night.

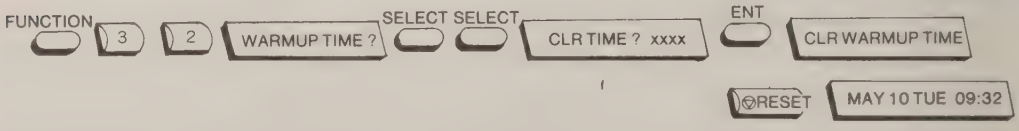
Setting and Changing

1. Press [FUNCTION] button, then [3] and [2] of the numeric keypad.
2. Press [SELECT] button.
   - xxxx shows the currently set time.
   - This is blank if the preheating time has not been registered before.
3. Press [ENT] button.
4. Input the preheating time.
   - The time should be input in the 24-hour format and in four digits.
     (Example: When used from 8:30 am)
5. Press [ENT] button.
6. Press [RESET] button to return to the clock display.
   - Once preheating is set, preheating is done every day until cleared.



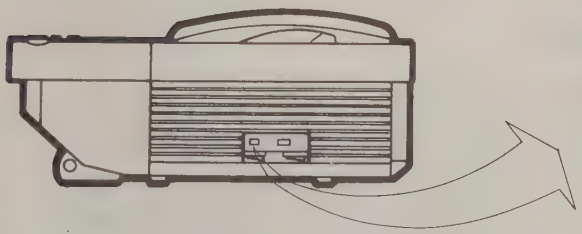
Clearing

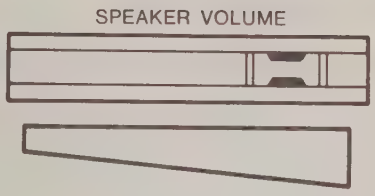
The preheating setting can be cleared by the following procedure.

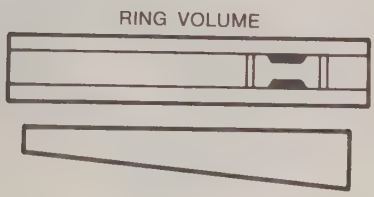


■ Adjusting Speaker Volume, Ring Volume and Ring Tone

These volumes can be adjusted by tweezers etc.







■ Selecting TONE/PULSE

Select Tone or Pulse mode.

PERIODIC MAINTENANCE

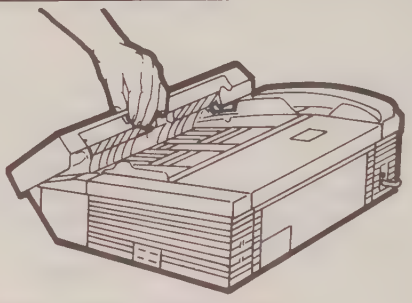
In order to maintain the performance of this unit, be sure to provide maintenance.
Be sure to do the following only after turning the power off.

■ Cleaning the Scanning Unit

This should be done once a month.

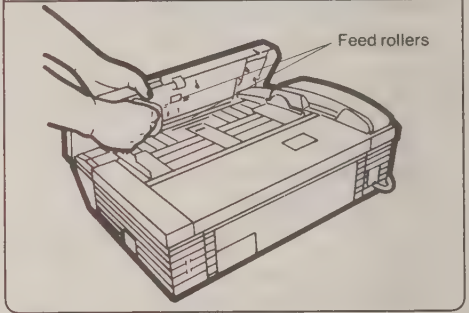
Wipe the feed rollers at least once a month. If they are dirty, the document may not be fed.

1 Open the operation panel.



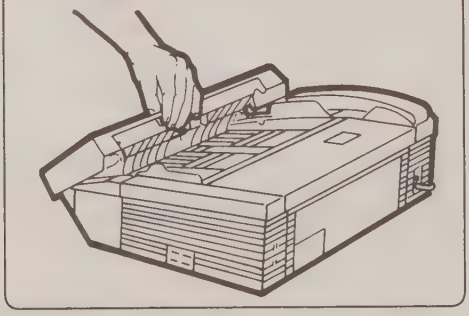
Open the operation panel by pulling the document release lever.

2 Carefully wipe the reading unit * and the feeding rollers.



Wipe with the Freon cleaning liquid.
* The scanning unit is the flat section on the back of the operation panel.

3 Close the operation panel.



Press the panel until you hear a click.

Precaution

After cleaning make a copy of a document and make sure that there are no white or black stripes on the copy.

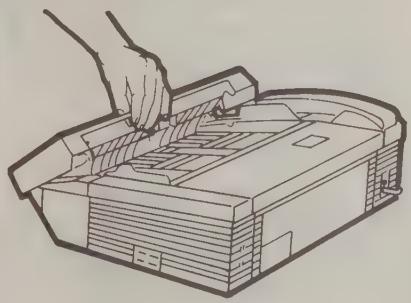
If the scanning unit is dirty, white or black stripes will appear on the copy.

Request

Use the cloth with the Freon cleaning fluid sprayed on it when cleaning.
* Using benzine, thinner or any other cleaning fluid may deform the feeding rollers and cause malfunctions.

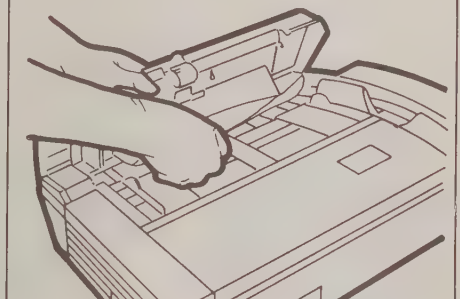
■ Removing Jammed Documents

1 Open the operation panel

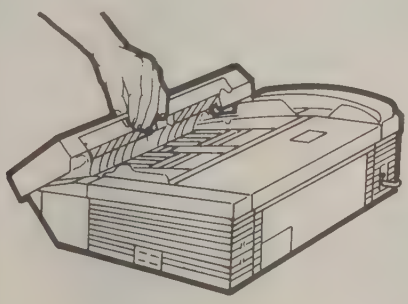


Open the operation panel by pulling the document release lever.

2 Remove any jammed documents



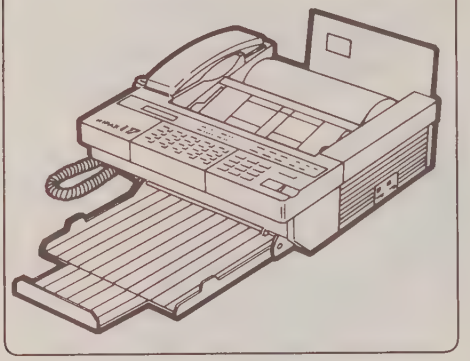
3 Close the operation panel.



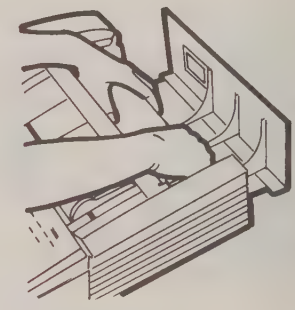
Press the panel until you hear a click.

■ Removing Jammed Recording Paper (1)

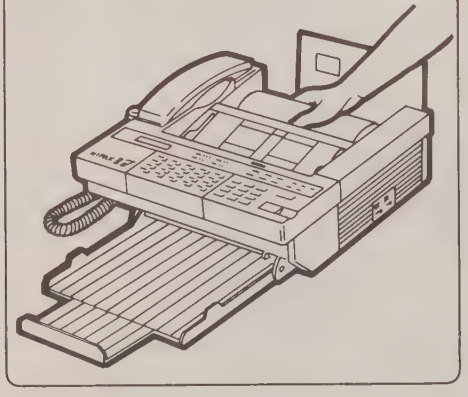
1 Open the recording paper cover.



2 Slowly rewind the recording paper.



3 Reset the recording paper, then close the recording paper cover.



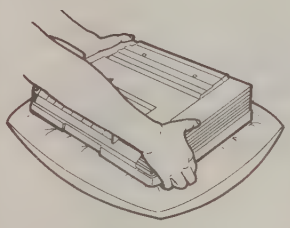
Precautions

Tearing or wrinkles at the leading edge of the recording paper may cause jamming, so that the leading edge should be cut evenly with scissors.

■ Removing Jammed Recording Paper (2)

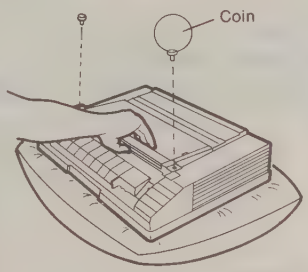
Be sure that the power switch is off.
Be sure to unplug the power cord from the outlet.
Be sure to remove the telephone line.

1 Turn the unit upside down.



Place a soft sheet under the unit.

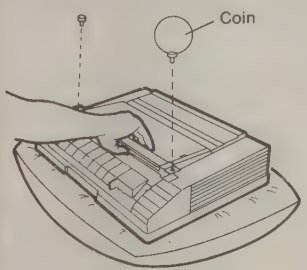
2 Open the back cover.



Remove the screws with coins, etc.

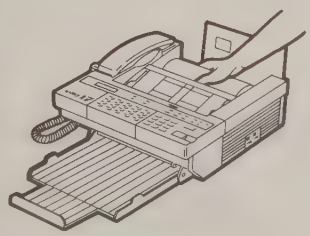
3 Remove any jammed recording paper.

4 Close the back cover.



Firmly tighten the screws with coins, etc.

5 Return the unit to its original position, then reset the recording paper.



Set the recording paper again.

■When Replacement of Recording Paper is Necessary

Recording paper should be replaced when the following occurs.

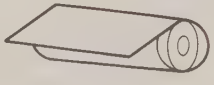
- A red line appears at the right of the recording paper.
  The red line indicates that only 2 or less meters of recording paper remain.
- When NO REC PAPER is displayed on the display.

Precautions when Replacing Recording Paper

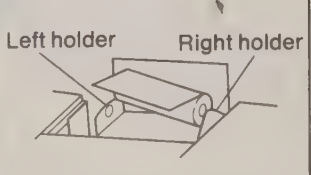
Be sure to turn off the power switch.
Be sure to use recommended recording paper.
If any other recording paper is used, malfunctions or recording unit errors may occur.

■ Replacing Recording Paper

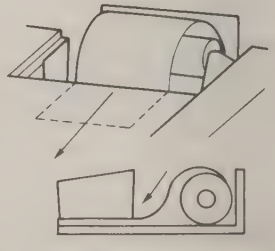
1 Keep roll tightly wound with end of paper unwinding from the top.



2 Insert roll against fixed holder on left, then lift up and close right holder.
Roll should be securely held by holders but move freely.



3 Unwind about 50cm and feed into slot until paper exits from front of machine.



* If the recording paper is removed while still fixed, it may tear. Be sure to release by the lever.

■ When Changing Recording Paper Size

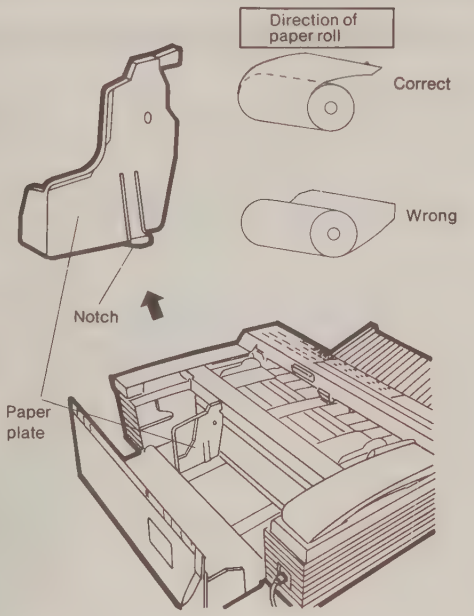
(For the HIFAX37)

When using A4 size paper with the HIFAX37 units, be sure to insert the attached paper plate into the magazine groove.

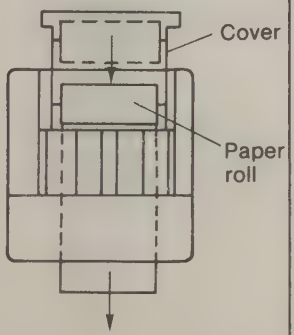
(1) Attaching the paper plate
Insert the plate into the groove and press until the notch is locked.

(2) Removing the paper plate
Press the notch lightly and pull up.

* Do not use A4 paper without inserting the paper plate. Doing so may cause paper jamming and other problems.
The attached paper plate is absolutely necessary when using A4 size paper, so please keep it in a safe place.

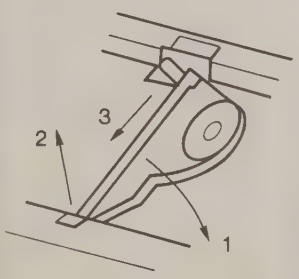


4 Check that roll is tightly wound.
Gently pull on end of paper as you close cover.

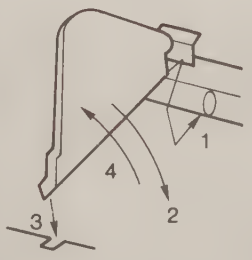


To Move Holder

To Remove Holder
Tip to 45° angle, lift from bottom slot, then remove from top slot.



To Mount Holder
Insert in top slot, tip holder to 45° angle and insert in bottom slot. Raise to upright position.



* The unit will not record unless the recording paper is fixed. Be sure to fix by the lever.
* If there is slack, the unit may not record correctly. Be sure to pull the recording paper and remove any slack before closing the recording paper set lever.

■ Problems Indicated by the Alarm Lamps and Display

Number	Alarm lamp	Display	Cause	Action
1	(Red light)	LOAD AGAIN	The transmitted document is jammed.	Press [RESET] button and eject the document. If the document is not ejected, follow the "Removing Jammed Documents [50] " procedure.
2	(Red light)	CLEAN SCAN PART	· The scanning unit is dirty.	Remove the document which was set, then clean the scanning unit. (See "Cleaning the Scanning Unit [49] ".) * If the display frequently appears call a service man.
3	(Red light)	NO REC PAPER	· There is no recording paper.	Replace the recording paper.
4	(Red light)	RE-SET REC PAPER	· The recording paper is jammed	Remove the jammed recording paper according to "Removing Jammed Recording Paper [51] ".
			· The recording paper is not fixed.	Fix the recording paper according to "Replacing Recording Paper [53] ".
5	(Red light)	WAIT FOR A WHILE	The recording unit or power supply unit is overheating.	Wait a while for it to cool.
6	(Red light)	COMM.FAULT	· When starting transmission The condition of the telephone line was bad, so that transmission was not normal.	Press [RESET] button, then retransmit with pressing [O.MODE] or [FM6] button.
			· When transmission is completed. (1) The condition of the telephone line was bad, so that transmission was not normal. (2) When the receiving party has run out of recording paper.	Receiving party: Have the receiving party replace recording paper. Transmitting party: Press [RESET] button, then remove any document pages which were not ejected, reset and transmit.
			· When receiving The condition of the telephone line was poor, so that transmission was not normal.	Have the transmitting party retransmit.
7	(Red light)	OPP STN MRY FULL	The memory of the opposite machine is already full before transmitting the document; or it becomes full during transmission.	Re-transmit the rest of the documents after a while.
8	(Red light)	NO MRY IN OP STN	The opposite station is mistaken. For relay transmission or private communication etc., memory must be installed a. the opposite station.	Re-transmit it after confirming that the opposite station has memory.
9	(Red light)	OP RL GR NOT REG	Relay groups have not been registered yet at the relay station.	Ask the relay station to register the relay groups.
10	(does not light)	TRANSMIT AGAIN	The received copy quality is improper.	Transmit the corresponding sheet again.

■ Problems not Indicated on the Display

When Transmitting

Symptoms	Location to inspect	Action
Nothing is displayed in the LCD even though the power switch is on.	Is the power cord plugged in?	Plug the power cord into an outlet.
Sometimes two pages are fed.	Are the document pages set correctly?	Load the document according to the proper method ("Transmission [7] ").
Low contrast pictures or characters in the document are not reproduced in received copies.	Is the scanning unit clean?	Clean the scanning unit according to "Cleaning the Scanning Unit [49] ".
The document enters the unit diagonally even though it is set properly.	Are the feed rollers clean?	
The document is not fed even though it is set properly.	Are the feed rollers clean?	

When Receiving

Symptoms	Location to inspect	Action
The received copy is blank.	· Is the recording paper set upside down?	Set the recording paper correctly according to "Replacing Recording Paper [53] ".
	· Is the transmitting side sending the document upside down?	Contact the transmitting party and have them transmit the document properly.
The telephone continues to ring.	· Is [MANUAL] lamp off?	Push [MANUAL RECEIVE] button and turn the lamp off.
	· Is the power switch on?	Turn it on.

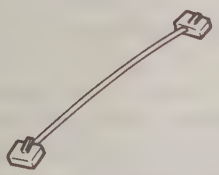
■ Machine Specifications

	HIFAX37	HIFAX17
Applicable lines	Public switched telephone line	
Reading method	Flat-bed scanning with a CCD image sensor.	
Recording method	Thermal	
Horizontal scanning resolution	8Pels/mm	
Vertical scanning resolution	3.85 lines/mm, 7.7 lines/mm, 15.4 lines/mm	
Communication speed	9600BPS, 7200BPS, 4800BPS, 2400BPS	
Effective reading width	A3 : 292mm (280mm), B4 : 252mm (240mm), A4	A4 : 210mm (205mm)
Effective recording width	Recording paper A4: 210mm (205mm) Recording paper B4: 252mm (240mm)	Recording paper A4: 210mm (205mm)
Size of transmittable document	Maximum: 297 × 600mm Minimum: 115 × 80mm	Maximum: 216 × 600mm Minimum: 115 × 80mm
Recording paper size	216mm × 100m roll paper or 257mm × 100m roll paper	216mm × 100m roll paper
Compatibility	CCITT G3, CCITT G2	
Power supply	100–115 VAC/200–240 VAC ±10% 50/60Hz single phase	
Power consumption	Stand by: approx. 16VA, Transmitting: approx. 31VA Receiving: approx. 28VA, Copying: approx. 35VA	
Ambient conditions	Temperature: 5°C – 35°C, Relative humidity: 35% – 85%	
Outer dimensions and weight of main unit	432(W) × 355(D) × 115(H)mm, 11kg	350(W) × 355(D) × 115(H)mm, 8 kg

* The parentheses indicate figures in the G2 mode.

■ ATTACHMENTS

		Recording paper	SBD sheet	Paper plate	Operation manual, etc.
Product name and quantity		Thermal recording paper, one roll	3 SBD sheets	Dividing plate for recording paper setting, 1	One operation manual, one hook, miscellaneous one set
Model	HIFAX37	Yes (Sample B4, 30 m)	Yes	Yes	Yes
	HIFAX17	Yes (Sample A4, 30 m)	Yes	No	Yes

		Power cord	Telephone cord
Product name and quantity		one set	 one set
Model	HIFAX37	Yes	Yes
	HIFAX17	Yes	Yes

NOTICE TO USERS

- Cautions installed in USA

The FCC requires that you be notified as follows:

1. This equipment complies with Part 68 of the FCC rules. On the back side of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (2.2 B) for this equipment. If requested, this information must be given to the telephone company.

2. Connections to party lines and coin telephone service are prohibited.

3. Your telephone company may make changes in it's facilities, equipment, operations of procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

4. If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. Your will be informed of your right to file a complaint with the FCC.

5. WARNING-This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will required to take whatever measures may be required to correct the interference.

6. In the event of operational problems, disconnect your unit by removing the modular plug from the telco modular jack. If your regular phone still works correctly, your HF37E/17E has a problem and should be returned for repairs (in or out of warranty). If upon disconnection of your HF37E/17E there is still a problem on your line, notify the telco that they have a problem and request prompt repair service (at no cost to the user).

7. The user may not under any circumstances (in or out of warranty) attempt any service or repairs on the HF37E/17E. It must be returned to an authorized service agency for all repairs.

8. If you experience trouble with this telephone equipment, please contact the agency (shown in the last page of this manual) for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that equipment is not malfunctioning.

9. The handset in this model does not have compatibility with hearing aid. FCC rules prohibit the use of this handset in the following areas;
   Coin telephone
   Emergency telephone
   Telephones frequently needed by the hearing impaired.

- Cautions installed in CANADA

1. The load number of this equipment is – LN69.8

2. "NOTICE: The Canadian Department of Communications label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction."
   "Before installing this equipment, users should ensure that it is permissible to connect to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations."
   "Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment."
   "User's should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important rural areas."

3. "The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device to prevent overloading. The termination on a loop may consists of any combination of devices subject only to the requirement that the total of the load numbers of all the devices does not exceed 100."

MEMO

Replacing Supplies

The following supplies should be used for the respective models.

	HIFAX37	HIFAX17
Thermal recording paper	HP-256-F8 (B4 size width, 100 m per roll)	HP-216-F8 (A4 size width, 100 m per roll)
	HP-216-F8 (A4 size width, 100 m per roll)	

Precautions concerning supplies

* Be sure to use recommended supplies. If any other supplies are used, malfunctions may occur or the features of the unit may be deteriorated.

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